

Parts Manual for **SNAPPER®**

18 & 21" V-SERIES CAST DECK WALK BEHIND MOWERS

| MODEL | INDEX MANUAL # |
|--------|-------------------|
| V180 | 06051 |
| V180S | 06051 |
| SV180 | 08051 |
| V181 | 06071 |
| V181S | 06071 |
| SV181 | 06071 |
| V182 | 06091 |
| V182S | 06091 |
| SV182 | 06091 |
| V210 | 06051 |
| V210S | 06051 |
| V2104 | 06051 |
| SV210 | 06051 |
| V210P | 06081 |
| V210P4 | 06061 |
| V210PS | 06081 |
| V211 | 06071 |
| V211S | 06071 |
| V2114 | 06071 |
| SV211 | 06071 |
| V211P | 06081 |
| V211PS | 06081 |
| V211P4 | 06061 |
| V212 | 06091 |
| V212S | 06091 |
| V2124 | 06091 |
| SV212 | 06091 |
| V212P | 06101 |
| V212PS | 06101 |
| V212P4 | 06101 |
| V212PH | 06101 |
| SV212P | 06101 |



NOTE: The Series number is the last numeral in the model number.

IT IS THE POLICY OF SNAPPER POWER EQUIPMENT TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

SNAPPER POWER EQUIPMENT

McDonough, GA • 30253



Operator's Manual

THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

Snapper Mower

**MODELS V180 - V180S - SV180
V210 - V210S - V2104 - SV210**

SNAPPER MOWER GUARANTEE

All Snapper Mowers are guaranteed for normal use to the original purchaser against defective workmanship and material. This guarantee extends for one year from purchase date on mowers not used commercially, and for one month on mowers that are used commercially.

We will replace or repair without charge any part or parts returned to us during the guarantee period, with transportation charges prepaid, that our inspection shows to have been defective in workmanship or material when shipped from the factory.

This guarantee is void if the parts in question have been altered or damaged by accident, abuse, neglect, improper adjustment, lack of lubrication or normal wear. This guarantee does not cover engines, tires, tubes, batteries and belts which are guaranteed separately by their manufacturers.

No other guarantee, expressed or implied, is made by the Company which retains the right to change specifications without notice or obligation.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and may void our warranty.

IMPORTANT: This guarantee is void unless the guarantee card attached is filled out completely and mailed to the Factory within 10 days of the date mower was purchased.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

Assembly, Operation and Service Instructions for V180 - V180S - SV180 - V210 - V210S - V2104 - SV210 **SNAPPER MOWER**

IMPORTANT

TRAINING

1. Read the Operating and Service Instruction Manual carefully. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Check fuel before starting engine. Do not fill gasoline tank indoors, when engine is running, or while engine is still hot. Wipe off any spilled gasoline before starting engine.
4. Never attempt to make a wheel height adjustment while the engine (motor) is running.
5. Mow only in daylight or in good artificial light.
7. Never operate equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge at all times.
3. Stop blade (s) when crossing gravel drive, walks or roads.
4. After striking a foreign object, stop the engine (motor), remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

5. If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
6. Stop engine (motor) whenever you leave the equipment, before cleaning mower housing, and when making any repairs or inspection.
7. When cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting.
8. Do not run engine indoors.
9. Shut engine (motor) off and wait until blade comes to a complete stop before removing grass catcher and/or unclogging chute.
10. Mow across the face of slopes, never up-and-down. Exercise caution when changing direction on slopes. Do not mow excessively steep slopes.
11. NEVER operate mower without proper guards, plates or other safety protective devices in place.
12. Keep washout ports and other mower housing service openings closed when mowing.

MAINTENANCE AND STORAGE

1. Check blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
3. Never store equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
4. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
5. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

INSTALLATION OF HANDLES:

1. Pull up and back on 3-7331 lower handle pivoting until it is in place. Tighten the two 5-0615 wing nuts. Fasten upper handle to lower handle pivoting using two $\frac{1}{4}$ -28 x $1\frac{1}{2}$ curved head bolts, two $\frac{1}{4}$ internal tooth lock washers and two $\frac{1}{4}$ -28 hex nuts. Fasten the throttle control to the upper handle using one $\frac{1}{4}$ -28 x $1\frac{3}{4}$ HHCS, one $\frac{1}{4}$ internal tooth lock washer and one $\frac{1}{4}$ -28 hex nut. Clip conduit to the handle using two slip-on clips. Handle height can be adjusted at the slats in the rear wheel brackets.

INSTALLATION OF GRASS CATCHER:

1. Disconnect spark plug wire.
2. Place front bag support (rail bar) with off-set side on right hand side into slats in rear wheel brackets. Top part will lay down close to engine. Raise up allowing ends to drop through slats into holes below.
3. Place plastic bag chute onto deck with stud nearest "CAUTION" passing through hole in chute. Make sure captive carriage bolts drop into slots in the bracket next to the right front wheel. Place

Place half ring clamp with slatted end to rear over the front stud. Secure with 5/16 washer and 5/16-18 lock nut.

Place 5/16-18 x 1 carriage bolt through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure with a 3-1801 clip, 5/16 washer and one 5/16 lock nut. NOTE: Head of carriage bolt must be to inside of deck.

4. Slip the ends of the 3-1127 front wire through the front flap of the bag and hook over the rail bar as shown in figure 4. Slip the ends of the 3-1128 rear wire in the rear flap and hook over the top section of the lower handle pivoting. If top of bag is not taut, remove and shift front and rear wires to inboard flaps and replace.

Now slip inlet neck of bag over bag chute as far as possible. Do not allow side of bag to block discharge opening of chute. Stop engine and empty bag of grass clippings at rear opening before bag is over filled or bag chute will become clogged. **NEVER ATTEMPT TO CLEAR BAG CHUTE IF CLOGGED UNLESS ENGINE IS STOPPED AND THE SPARK PLUG WIRE IS DISCONNECTED.**

INSTALLATION OF SIDE CHUTE:

1. Disconnect spark plug wire.
2. Remove grass catcher in reverse sequence of step 4. (Previous Page).
3. Attach 3-9572 side chute extension to side chute using four 10/32 hex nuts, four 10/32 x 5/16 RHMS and four No. 10 internal tooth lock washers. NOTE: Head of bolts must be to inside of chute. See illustration.
4. Grip metal side chute with both hands and slip large slatted hole over mounting key on the deck. Slightly squeeze together and slip captive carriage bolt into slot in bracket at right front wheel while holding the slatted hole on the deck key.
5. Use one of the half clamps to hold the top down at the front stud. Use the other half round clamp to go over the rear stud and into the small slot in the side chute. Fasten with three 5/16 flat washers and three 5/16-18 hex lock nuts.

REFER TO PICTURES BELOW FOR PROPER INSTALLATION OF GRASS BAG AND SIDE CHUTE



FIGURE 1

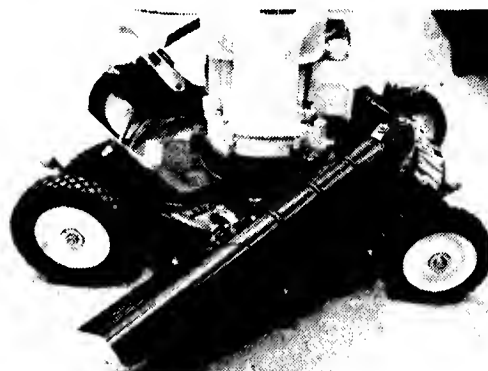


FIGURE 2

ENGINE CARE AND OPERATION:

1. **FILL ENGINE WITH OIL BEFORE CRANKING MOWER.**
2. Refer to engine manual furnished with this packet for instructions to oil, fuel and maintain the engine properly.
3. **WASH OUT CLEANER ELEMENT IN MINERAL SPIRITS OR GASOLINE AND RE-OIL WITH ONE TABLESPOON OF ENGINE OIL EVERY THREE HOURS OF USE OR AFTER EACH THIRD MOWING.**
4. **NEVER PLACE MOWER ON ITS LEFT HAND SIDE WITH SPARK PLUG POINTED DOWNWARD AS THIS WILL ALLOW THE ENGINE OIL TO RUN OUT THROUGH THE VALVE TAPPET VENT.** If left too long, oil could also leak past the piston into the cylinder.

LUBRICATION:

1. Change oil as specified in the engine manual.
2. Occasionally put a few drops of oil on all movable parts.
3. The ball bearing wheels have been factory greased and should not be greased unless removed.

ADJUSTING CUTTING HEIGHT:

1. This mower has solid through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. **NEVER UNLATCH BOTH SIDES AT THE SAME TIME.**
2. When changing cutting height, make sure that all latches are in matching slots. This results in the cutting blade being slightly higher in the rear to eliminate drag.

OPERATING TIPS

1. **SNAPPER V180 and V210** will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
2. To turn at the end of a row, push down on the handle bar to raise the front wheels off the lawn. This permits turning on the back wheels only and saves scuffing the lawn.
3. For cutting on a slope, it is usually best to move back and forth — not up and down hill.
4. When vacuuming a paved walk or driveway, first lower deck to lowest position. It is then best to run V180 or V210 forward along the extreme left hand side of the area to be cleaned. This will pick up same litter and windrow same litter to the right of the first swath. Then pull V180 or V210 backward over the windrowed litter. It will pick up most of it on this pass. Repeat above until walkway or driveway is cleaned.
5. To prolong the life and usefulness of your mower, it is a good practice to wash out all the grass that may be sticking to the underside of the deck.

| Item | Part No. | Description | Qty. |
|------|----------|------------------------------------|------|
| 1. | 3-1128 | Rear Wire | 1 |
| 2. | 1-2085 | Gross Bag | 1 |
| 3. | 3-1127 | Front Wire | 1 |
| 4. | 5-0293 | Bag Chute Assembly, V210 | 1 |
| 4. | 5-0679 | Bag Chute Assembly, V210S | 1 |
| 4. | 5-0346 | Bag Chute Assembly, V180 | 1 |
| 4. | 5-0609 | Bag Chute Assembly, V180S | 1 |
| 5. | 9-0196 | 5/16-18 Hex Nut | 4 |
| 6. | 3-1124 | Side Bracket | 1 |
| 7. | 9-0361 | 5/16-18 x 5/8 SEMS | 5 |
| 8. | 5-0680 | Side Chute Assembly, V210 Series | 1 |
| 8. | 5-0600 | Side Chute Assembly, V180 | 1 |
| 8. | 5-0610 | Side Chute Assembly, V180S | 1 |
| 9. | 1-1079 | Spring Washer | 4 |
| 10. | 9-0388 | 5/16-18 Dot "T" Nut | 2 |
| 11. | 1-1791 | Bolt Retainer | 4 |
| 12. | 9-0377 | 7/16-20 Jom "L" Nut | 4 |
| 13. | 3-1121 | Hub Cap | 8 |
| 14. | 1-1083 | Front Wheels, V210, 7 x 1.50 | 2 |
| 14. | 1-1083 | Front Wheels, V180, 7 x 1.50 | 2 |
| 15. | 3-1017 | Wheel Arm, Front R. H., Rear L. H. | 2 |
| | 6-0131 | Shock Clutch Kit | 1 |
| 16. | 1-0008 | Key | 1 |
| 17. | 2-1018 | Shack Clutch | 1 |
| 18. | 3-1122 | Clutch Washer | 1 |
| 19. | 1-1102 | Fiber Washer | 1 |
| 20. | 9-0167 | 3/8-24 x 2 Cop Screw, Grade 5 | 1 |
| 21. | 1-2063 | Cone Washer | 1 |
| 22. | 1-1796 | Fiber Washer | 2 |
| 23. | 1-8065 | Cutter Blade, V210 | 1 |
| 23. | 1-8075 | Cutter Blade, V180 | 1 |
| 24. | 3-7300 | Front Bracket | 2 |
| 25. | 1-1749 | Front and Rear Axle, V180 | 2 |
| 25. | 2-1119 | Front and Rear Axle, V210 | 2 |
| 26. | 3-1123 | Clomp | 2 |
| 27. | 3-1016 | Wheel Arm, Front L. H., Rear R. H. | 2 |
| 28. | 3-1842 | Bracket | 1 |

| Item | Part No. | Description | Qty. |
|------|----------|-----------------------------------|------|
| 29. | 9-0379 | 8-18 x 3/4 SMS | 1 |
| 30. | 9-0385 | Tab Washer | 1 |
| 31. | 1-2048 | Insulator | 1 |
| 32. | 1-2049 | Ground Contact | 1 |
| 33. | 9-0187 | 5/16 Lock Washer | 4 |
| 34. | 2-1737 | Wheel Arm Spacer, V180 | 2 |
| 35. | 3-7277 | Rear Bracket, L. H. | 1 |
| 36. | 1-1078 | Shoulder Screw | 4 |
| 37. | 1-0921 | Height Latch, V210 | 4 |
| 37. | 1-0921 | Height Latch, Front, V180 | 2 |
| 38. | 1-1093 | Grip | 4 |
| 39. | 9-0242 | 5/16-24 x 1-5/8 Cap Screw, GR. 5 | 1 |
| 40. | 9-0188 | 5/16 SAE Washer | 7 |
| 41. | 9-0324 | 3/8-16 x 1 St. Screw | 2 |
| 42. | 5-9517 | Deck Assembly, V210 | 1 |
| 42. | 5-9520 | Deck Assembly, V180 | 1 |
| 43. | 3-7275 | Rear Bracket, R. H. | 1 |
| 44. | 9-0227 | 5/16-24 x 5/8 HHCS | 2 |
| 45. | 3-7305 | Roll Bar, V210 | 1 |
| 45. | 1-8074 | Roll Bar, V180 | 1 |
| 46. | 1-1082 | Rear Wheels, V210 — 8 x 1.75 | 2 |
| 46. | 1-1083 | Rear Wheels, V180 — 7 x 1.50 | 2 |
| 47. | 9-0189 | 5/16 Int.-Ext. Tooth Lock Washer | 2 |
| 48. | 1-0974 | 5/16-24 Weld Nut | 2 |
| 49. | 9-0211 | 5/16-18 x 1-1/2 HHCS (V180) | 2 |
| 50. | 3-7333 | Lower Handle Stationary, V210 | 2 |
| 50. | 3-7332 | Lower Handle Stationary, V180 | 2 |
| 51. | 9-0095 | 1/4-28 Hex Nut | 3 |
| 52. | 3-7331 | Lower Handle Pivoting | 1 |
| 53. | 1-0098 | Clip, Throttle Control | 2 |
| 54. | 1-1028 | 1/4-28 x 1 1/2 Curved Head Bolt | 2 |
| 55. | 1-8088 | Throttle Control | 1 |
| 56. | 5-0601 | Upper Handle | 1 |
| 57. | 1-1103 | Spacer | 2 |
| 58. | 9-0053 | 1/4 Internal Tooth Lock Washer | 3 |
| 59. | 1-1125 | Bearing | 8 |
| 60. | 5-0678 | Interlock Assembly | 1 |
| 61. | 5-0615 | Wing Nut | 2 |
| 62. | 1-1780 | Nylon Ring | 2 |
| 63. | 9-0015 | 1/4-20 x 1 3/4 Carriage Bolt | 2 |
| 64. | 3-9572 | Side Chute Extension | 1 |
| 65. | 9-0013 | No. 10 Fine Hex Nut | 4 |
| 66. | 9-0011 | No. 10 Internal Tooth Lock Washer | 4 |

| | | | |
|-----|--------|-------------------------|---|
| 67. | 9-0007 | 10-32 x 5/16 RHMS | 4 |
| 68. | 3-1801 | Clip | 1 |
| 69. | 9-0383 | 5/16-18 x 1 Corr. Bolt | 1 |
| 70. | 3-1762 | Guard, V180 Series | 1 |
| 70. | 3-1763 | Guard, V210 Series | 1 |
| 71. | 9-0041 | 1/8 x 1 Cotter Pin | 2 |
| 72. | 1-2076 | Rear Height Latch, V180 | 2 |
| 73. | 9-0111 | 1/4-28 x 1-3/4 HHCS | 1 |

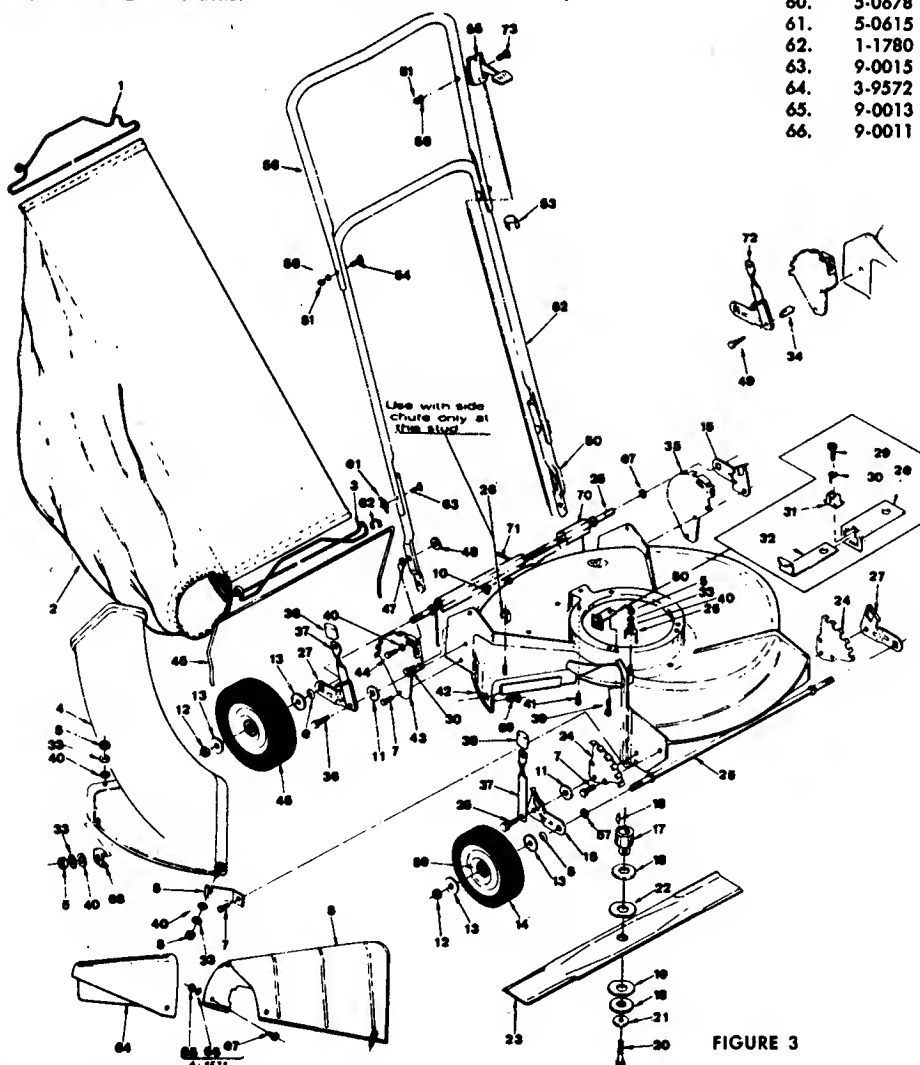


FIGURE 3

ITEMS NOT SHOWN ON
V180 OR V210

| Part No. | Description | Qty. |
|----------|------------------------|------|
| 3-7351 | Heat Shield | 1 |
| 9-0457 | Int. Tooth Lock Washer | 1 |

ITEMS NOT SHOWN ON
V180S OR V210S

| Part No. | Description | Qty. |
|----------|-----------------------|------|
| 3-7351 | Heat Shield | 1 |
| 1-1770 | Battery Assembly | 1 |
| 1-1789 | Battery Charger | 1 |
| 1-1790 | Battery | 1 |
| 1-1167 | Switch Key | 2 |
| 3-1141 | Switch Mounting Plate | 1 |
| 1-1139 | Switch | 1 |
| 5-7081 | Battery Clamp | 1 |
| 1-1141 | Harness Assembly | 1 |

ITEMS NOT SHOWN ON
V2104

| Part No. | Description | Qty. |
|----------|-------------|------|
| 3-7351 | Heat Shield | 1 |

Operator's Manual

THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

Snapper Mower

Models

V210P – V210PS – V210P4

SNAPPER MOWER GUARANTEE

All Snapper Mowers are guaranteed for normal use to the original purchaser against defective workmanship and material. This guarantee extends for one year from purchase date on mowers not used commercially, and for one month on mowers that are used commercially.

We will replace or repair without charge any part or parts returned to us during the guarantee period, with transportation charges prepaid, that our inspection shows to have been defective in workmanship or material when shipped from the factory.

This guarantee is void if the parts in question have been altered or damaged by accident, abuse, neglect, improper adjustment, lack of lubrication or normal wear. This guarantee does not cover engines, tires, tubes, batteries and belts which are guaranteed separately by their manufacturers.

No other guarantee, expressed or implied, is made by the Company which retains the right to change specifications without notice or obligation.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and may void our warranty.

IMPORTANT: This guarantee is void unless the guarantee card attached is filled out completely and mailed to the Factory within 10 days of the date mower was purchased.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

Assembly, Operation and Service Instructions for V210P – V210PS – V210P4 SNAPPER MOWER

IMPORTANT

TRAINING

1. Read the Operating and Service Instruction Manual carefully. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wire, bones and other foreign objects.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Check fuel before starting engine. Do not fill gasoline tank indoors, when engine is running, or while engine is still hot. Wipe off any spilled gasoline before starting engine.
4. Never attempt to make a wheel height adjustment while the engine (motor) is running.
5. Mow only in daylight or in good artificial light.
7. Never operate equipment in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge at all times.
3. Stop blade(s) when crossing gravel drive, walks or roads.
4. After striking a foreign object, stop the engine (motor), remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

5. If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
6. Stop engine (motor) whenever you leave the equipment, before cleaning mower housing, and when making any repairs or inspection.
7. When cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting.
8. Do not run engine indoors.
9. Shut engine (motor) off and wait until blade comes to a complete stop before removing grass catcher and/or unclogging chute.
10. Mow across the face of slopes, never up-and-down. Exercise caution when changing direction on slopes. Do not mow excessively steep slopes.
11. NEVER operate mower without proper guards, plates or other safety protective devices in place.
12. Keep washout parts and other mower housing service openings closed when mowing.

MAINTENANCE AND STORAGE

1. Check blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
3. Never store equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
4. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
5. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

INSTALLATION OF HANDLES:

1. Place lower handle, Item No. 14, Page 4, in groove of lower handle stationary, Item No. 30. Secure with two 1/4-28 x 1-1/2 hex head cap screws, Item No. 16, two 1/4 internal tooth lock washers, Item No. 17, and two 1/4-28 hex nuts, Item No. 15.
2. Fasten upper handle, Item No. 18, to lower handle, Item No. 14, using two 1/4-28 x 1-1/2 hex head cap screws, Item No. 16, two 1/4 internal tooth lock washers, Item No. 17, and two 1/4-28 hex nuts, Item No. 15.
3. Install upper speed lever, Item No. 27, through hole in speed sector, which is welded to the upper handle, and into sleeve, Item No. 97.
4. Fasten throttle control, Item No. 25, to outside of upper handle, using one 1/4-28 x 2 hex head cap screw, Item No. 91, one 1/4 internal tooth lock washer, Item No. 17, and one 1/4-18 hex nut, Item No. 15. Install throttle control clips, Item No. 28.
5. Fasten upper pull rod, Item No. 102, to clutch lever, Item No. 21, by placing end with bend up through hole in clutch lever. Loosen hex head screw, Item No. 93. Slide lower pull rod, Item No. 26, down, push down on hook spring, Item No. 29, and fasten end of hook spring into slot in bell crank, Item No. 58, Page 3.

ADJUSTMENT OF SPEED LEVER:

Set speed lever, Item No. 27, in highest speed on speed selector. Move driven disc assembly, Item No. 38, Page 3, to left of machine until clutch rod, Item No. 35, hits left rear wheel bracket. Included in hardware bag is a red gauge. Lift up an lower speed lever, Item No. 101, until gauge will fit between sleeve, Item No. 97, and anchor lever, Item No. 33. Tighten the two upper set screws, Item No. 96, Page 4.

ADJUSTMENT OF PULL ROD:

Set speed lever, Item No. 27, in low speed. Place gauge at edge of depression in drive disc assembly, Item No. 50. Pull up an lower pull rod, Item No. 26 until rubber tire makes contact with gauge. Tighten the hex nut on the carriage bolt, Item No. 93, Page 4. Install clip an pull rod and fasten to upper handle between the clutch lever and speed selector. In the event the gauge is lost, place two nickels together and use as a gauge.

INSTALLATION OF GRASS CATCHER:

1. Disconnect spark plug.
2. Place front bag support, rail bar, Item No. 10, with off-set an right hand side into slots in rear wheel brackets, Item Nos. 20 and 48. Top part will lay down close to engine. Raise up, allowing ends to

drop through slots into holes below.

3. Place bag chute, Item No. 3, onto deck with stud nearest to "CAUTION" passing through hole in chute. Make sure captive carriage bolts drop into slots in the bracket, Item No. 5, next to the right front wheel. Place half ring clamp, Item No. 77, with slotted end to rear, over the front stud. Secure with 5/16 washer and 5/16-18 lock nut.
Place 5/16-18 x 1 carriage bolt through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure with clip, Item No. 86, 5/16 washer and one 5/16-18 lock nut. NOTE: Head of carriage bolt must be to inside of deck.
4. Slip the ends of front wire, Item No. 11, through the front flap of the bag and hook over the rail bar, Item No. 10, as shown in figure 4. Slip the ends of the rear wire, Item No. 1, in the rear flap and hook over the top section of the lower handle pivoting, Item No. 14. If top of bag is not taut, remove and shift front and rear wires to inboard flaps and replace. Now slip inlet neck of bag, Item No. 2, over bag chute as far as possible. Do not allow side of bag to block discharge opening of chute. Stop engine and empty bag of grass clippings at rear opening before bag is over filled or bag chute will become clogged. NEVER ATTEMPT TO CLEAR BAG CHUTE IF CLOGGED UNLESS ENGINE IS STOPPED AND SPARK PLUG WIRE IS DISCONNECTED.

INSTALLATION OF SIDE CHUTE:

1. Remove spark plug wire.
2. Remove grass catcher in reverse sequence of above installation.
3. Attach side chute extension, Item No. 88, to side chute, Item No. 7, using four 10/32 hex nuts, four 10/32 x 5/16 RHMS and four No. 10 internal tooth lock washers. NOTE: Head of bolts must be to inside of chute. See illustration.
4. Grip metal side chute, Item No. 7, with both hands and slip large slotted hole over mounting key on the deck. Slightly squeeze together and slip captive carriage bolt into slot in bracket, Item No. 5, at right front wheel while holding the slotted hole on the deck key.
5. Use one of the half clamps, Item No. 77, to hold the top down at the front stud. Use the other half round clamp, Item No. 77, to go over the rear stud and into the small slot in the side chute, Item No. 7. Fasten with three 5/16 flat washers and three 5/16-18 hex lock nuts.

ENGINE CARE AND OPERATION:

1. FILL ENGINE WITH OIL BEFORE CRANKING.
2. Refer to engine manual furnished with this packet of instructions, to oil, fuel, and maintain the engine properly.

3. NEVER PLACE MOWER ON ITS LEFT HAND SIDE WITH SPARK PLUG POINTED DOWNWARD AS THIS WILL ALLOW THE ENGINE OIL TO RUN OUT THROUGH THE VALVE TAPPET VENT. If left too long, oil could also leak past the piston into the cylinder.

LUBRICATION:

1. Change oil as specified in the engine manual.
2. Occasionally put a few drops of oil on all movable parts.

ADJUSTING CUTTING HEIGHT:

1. This mower has solid through axles, front and rear, to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time when it is desired to change cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.
2. When changing cutting heights, make sure that all latches are in matching slots. This results in the cutting blade being slightly higher in the rear to eliminate drag.

REFER TO PICTURES BELOW FOR PROPER INSTALLATION OF GRASS CATCHER AND SIDE CHUTE

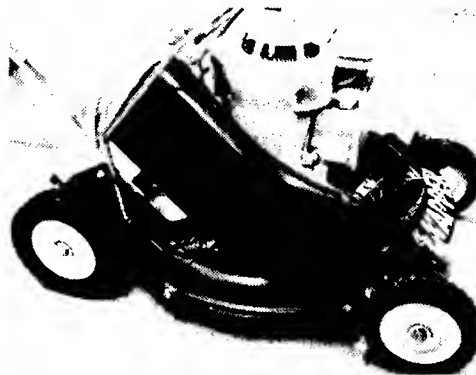


FIGURE 1

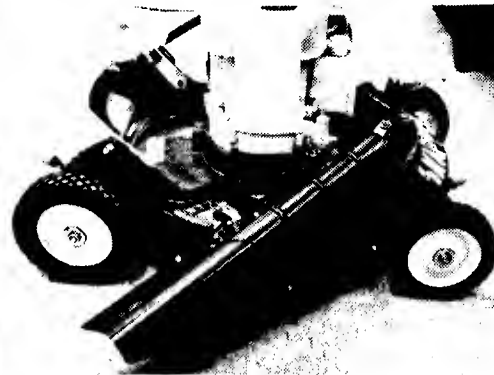


FIGURE 2

OPERATING TIPS

1. For forward speed, shift speed lever, Item No. 27, to slow speed and press in a clutch lever, Item No. 21. Desired speed then may be obtained by shifting speed lever. To stop forward motion of machine, release clutch lever handle, Item No. 21, and shift speed lever to neutral.
2. SNAPPER V210P will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
3. To turn at end of row, push down on handle bars to raise front wheels off of the lawn. This permits turning on the back wheels only and saves scuffing the lawn.
4. For cutting on slopes, it is usually best to move side to side only — not up and down hill.
5. When vacuuming a paved walk or driveway, first lower deck to lowest position. It is then best to run V210P forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windrow same litter to the right of the first swath.
6. To prolong the life and usefulness of your mower, it is a good practice to wash out all the grass that may be sticking to the underside of the deck.

| No. | Part No. | Description | Qty. |
|-----|----------|-----------------------|------|
| 1. | 1-1117 | Belt | 1 |
| 2. | 9-0303 | 1/4-28 Hex Lock Nut | 6 |
| 3. | 3-1754 | Transmission Bracket | 1 |
| 4. | 1-1133 | Plug | 1 |
| 5. | 5-0263 | Long Axle Assembly | 1 |
| 6. | 2-1131 | Long Axle | 1 |
| 7. | 1-0410 | 3/16 x 1-1/8 Roll Pin | 1 |
| 8. | 9-0042 | 1/8 x 3/4 Cotter Pin | 1 |
| 9. | 4-7714 | Guard Structure | 1 |
| 10. | 5-0262 | Short Axle Assembly | 1 |
| 11. | 2-1130 | Short Axle | 1 |
| 12. | 1-1201 | 5/16-24 Hex Lock Nut | 1 |
| 13. | 1-1079 | Spring Washer | 1 |
| 14. | 1-0936 | Pully "V" Pulley | 1 |
| 15. | 1-1724 | Spring Washer | 1 |

TRANSMISSION ASSEMBLY 5-0633

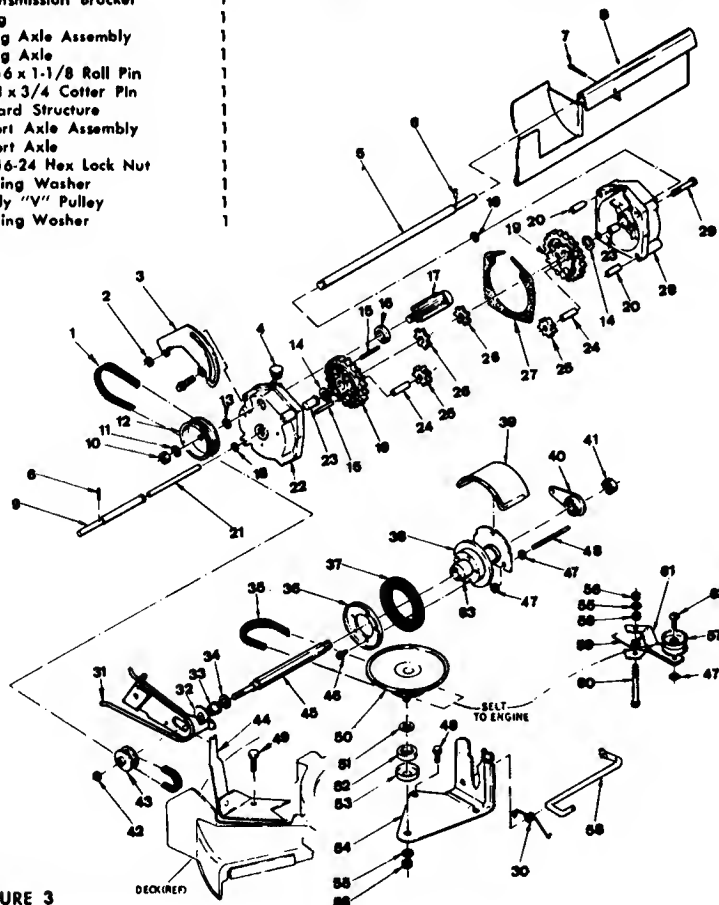


FIGURE 3

| No. | Part No. | Description | Qty. |
|-----|----------|-----------------------------|------|
| 14. | 2-0938 | Thrust Washer | 2 |
| 15. | 1-0172 | 3/16 x 1-5/8 Roll Pin | 2 |
| 16. | 1-1767 | Ball Bearing | 1 |
| 17. | 5-0305 | Input Gear Assembly | 1 |
| 18. | 1-1179 | Seal | 2 |
| 19. | 1-0919 | 46 Tooth Gear | 2 |
| 20. | 1-0826 | Roll Pin | 2 |
| 21. | 2-1132 | Shaft | 1 |
| 22. | 5-0268 | Inboard Housing Assembly | 1 |
| 23. | 1-8048 | Inboard Housing | 1 |
| 24. | 1-0932 | Bearing | 2 |
| 25. | 1-1110 | Shaft | 2 |
| 26. | 2-1115 | 12 Tooth Gear | 2 |
| 27. | 2-1116 | Differential Gear Axle | 2 |
| 28. | 1-1774 | Gasket | 1 |
| 29. | 5-0269 | Outboard Housing Assembly | 1 |
| 30. | 1-8050 | Outboard Housing | 1 |
| 31. | 9-0487 | 1 4-28 x 3-1/4 HMCS | 4 |
| 32. | 1-1884 | Ball Crank Spring | 1 |
| 33. | 5-7087 | Belt Guard Assembly | 1 |
| 34. | 1-2071 | Thrust Washer | 1 |
| 35. | 1-2047 | Bushing | 1 |
| 36. | 1-0816 | Thrust Washer | 1 |
| 37. | 1-1887 | 3L 250 Engine Belt | 1 |
| 38. | 3-1013 | Tire Plate | 1 |
| 39. | 1-0927 | Driven Ring | 1 |
| 40. | 5-0630 | Driven Disc Assembly | 1 |
| 41. | 1-1119 | Cover | 1 |
| 42. | 5-0629 | Bearing Holder Assembly | 1 |
| 43. | 9-0460 | 7/16-20 Hex Nut | 1 |
| 44. | 9-0289 | 3/8-24 Hex Lock Nut | 1 |
| 45. | 2-1709 | Pully "V" Pulley | 1 |
| 46. | 5-0687 | Belt Guard Assembly | 1 |
| 47. | 2-1708 | Hex Shaft | 1 |
| 48. | 9-0307 | 10-24 x 1/2 SEMS | 5 |
| 49. | 9-0303 | 1/4-28 Hex Lock Nut | 3 |
| 50. | 1-1880 | Clutch Rod | 1 |
| 51. | 9-0361 | 5/16-18 x 3/8 SEMS | 4 |
| 52. | 5-0634 | Drive Disc Assembly | 1 |
| 53. | 9-0122 | 3/8 SAE Washer | 1 |
| 54. | 1-1032 | Felt Seal | 1 |
| 55. | 3-1132 | Bearing Shield | 1 |
| 56. | 3-9562 | Deck Bracket | 1 |
| 57. | 9-0390 | 3/8 Internal Tooth L-Washer | 2 |
| 58. | 9-0155 | 3/8-24 Hex Nut | 3 |
| 59. | 1-0948 | Idler Pulley | 1 |
| 60. | 1-1877 | Ball Crank | 1 |
| 61. | 1-0947 | Idler Spring | 1 |
| 62. | 9-0174 | 3/8-24 x 3 HMCS | 1 |
| 63. | 3-1006 | Idler | 1 |
| 64. | 9-0107 | 1/4-28 x 1-1/4 HMCS | 1 |
| 65. | 1-1873 | Shifter Cone | 1 |

| No. | Part No. | Description | Qty. | No. | Part No. | Description | Qty. | No. | Part No. | Description | Qty. |
|-----|----------|------------------------------|------|-----|----------|--------------------------------|------|-----|----------|------------------------------|------|
| 1. | 3-1128 | Rear Wire | 1 | 30. | 3-7333 | Lower Handle, Stationary | 2 | 56. | 3-7300 | Front Bracket | 2 |
| 2. | 1-1098 | Grass Bag | 1 | 31. | 9-0189 | 5/16 Int.-Ext. Tooth L'-Washer | 2 | 57. | 1-1103 | Spacer | 1 |
| 3. | 5-0293 | Bag Chute Ass'y., V210P | 1 | 32. | 9-0388 | 5/16-18 Dat "7" Nut | 1 | 58. | 3-1017 | Wheel Arm, Front, R. H. | 1 |
| 4. | 5-0679 | Bag Chute Ass'y., V210PS | 1 | 33. | 3-1755 | Anchor Lever | 1 | 59. | 1-1079 | Spring Washer | 2 |
| 5. | 9-0196 | 5/16-18 Hex Nut | 4 | 34. | 3-1811 | Holder Half | 1 | 60. | 3-1121 | Front Hub Cap | 4 |
| 6. | 3-1124 | Side Bracket | 1 | 35. | 1-1880 | Clutch Rod | 1 | 61. | 1-1083 | Front Wheel, 7 X 1.50 | 2 |
| 7. | 9-0361 | 5/16-18 x 5/8 SEMS S7 | 9 | 36. | 1-1977 | Clutch Rod Clip | 1 | 62. | 1-1125 | Bearing | 4 |
| 8. | 5-0302 | Side Chute Assembly | 1 | 37. | 1-2093 | Spring | 2 | 63. | 9-0377 | 7/16-20 Jam Lock Nut | 2 |
| 9. | 1-0945 | Rear Wheel | 2 | 38. | 3-1756 | Bell Crank Mount | 1 | 64. | 9-0167 | 3/8-24 x 2, GR 5 Cap Screw | 1 |
| 10. | 1-1113 | Plastic Hub Cap | 2 | 39. | 9-0197 | 5/16-18 Jam Nut | 1 | 65. | 1-2063 | Cane Washer | 1 |
| 11. | 3-7305 | Roll Bar | 1 | 40. | 1-0974 | 5/16-24 Weld Nut | 1 | 66. | 3-1122 | Clutch Washer | 2 |
| 12. | 3-1127 | Front Wire | 1 | 41. | 1-1093 | Grip | 4 | 67. | 1-1102 | Fibre Washer | 1 |
| 13. | 9-0302 | 1/4-20 x 3/8 HWS7 | 1 | 42. | 1-0921 | Height Latch | 4 | 68. | 1-8065 | Cutter Bar | 1 |
| 14. | 1-1879 | Grip | 1 | 43. | 1-1095 | 3/4 Special Washer | 2 | 69. | 2-1018 | Shack Clutch Hub | 1 |
| 15. | 3-7331 | Lower Handle | 1 | 44. | 3-1018 | Wheel Arm, Rear, R. H. | 1 | 70. | 1-0008 | Key | 1 |
| 16. | 9-0095 | 1/4-28 Hex Nut | 5 | 45. | 1-0953 | Bearing | 2 | 71. | 9-0471 | 1/4-20 x 5/16 Socket Head | 1 |
| 17. | 9-0528 | 1/4-28 x 1-1/2 HMCS, Gr. 5 | 4 | 46. | 1-1791 | Bolt Retainer | 5 | | | Set Screw | 1 |
| 18. | 9-0053 | 1/4 Internal Tooth L'-Washer | 5 | 47. | 9-0227 | 5/16-24 x 5/8 HMCS | 1 | 72. | 2-1707 | Engine Pulley, 3-1/2 H.P. | 1 |
| 19. | 4-9565 | Upper Handle Structure | 1 | 48. | 3-7308 | Rear Bracket, R. H. | 1 | 73. | 1-0783 | Hi-Pra Key | 1 |
| 20. | 9-0489 | Push Nut | 1 | 49. | 1-1025 | "O" Ring | 1 | 74. | 2-1119 | Front Axle | 1 |
| 21. | 3-7309 | Rear Bracket, L. H. | 1 | 50. | 9-0011 | No. 10 Int. Tooth L'-Washer | 4 | 75. | 3-1856 | Clamp | 2 |
| 22. | 3-1156 | Clutch Lever | 1 | 51. | 1-1885 | Bearing | 1 | 76. | 3-1016 | Wheel Arm, Front, L. H. | 1 |
| 23. | 1-1886 | Pin | 1 | 52. | 1-1078 | 5/16-18 Shoulder Screw | 4 | 77. | 3-1123 | Clamp | 2 |
| 24. | 3-1019 | Wheel Arm Rear, L. H. | 1 | 53. | 9-0324 | 3/8-16 x 1 HWS7 | 2 | 78. | 5-0678 | Interlock Assembly | 1 |
| 25. | 9-0399 | 10-24 Hex Nut | 1 | 54. | 9-0240 | 5/16-24 x 1-1/4 HMCS | 1 | 79. | 3-1842 | Bracket | 1 |
| 26. | 1-8088 | Throttle Control, 3 1/2 H.P. | 1 | 55. | 9-0359 | 5/16-24 x 1-5/8 HMCS, Gr. 5 | 1 | 80. | 1-2049 | Contact | 1 |
| 27. | 1-2073 | Lower Pull Rod | 1 | | | (Manual Start) | 1 | 81. | 9-0385 | Tab Washer | 1 |
| 28. | 1-2074 | Upper Speed Lever | 1 | | | (Electric Start) | 1 | 82. | 1-2048 | Insulator | 1 |
| 29. | 1-0098 | Clip | 2 | | | | | 83. | 9-0379 | 8-18 x 3/4 Sheet Metal Screw | 1 |
| | 1-1878 | Hook Spring | 1 | | | | | 84. | 9-0383 | 5/16-18 x 1 Carriage Bolt | 1 |

| | | | |
|------|--------|--------------------------------|---|
| 85. | 3-7311 | Deck | 1 |
| 86. | 3-1801 | Clip | 1 |
| 87. | 1-1780 | Nylon Ring | 2 |
| 88. | 3-9572 | Side Chute Extension | 1 |
| 89. | 9-0007 | 10/32 x 5/16 RHMS | 4 |
| 90. | 9-0013 | 10/32 Hex Nut | 4 |
| 91. | 9-0112 | 1/4-28 x 2 HMCS | 1 |
| 92. | 9-0222 | 5/16-24 Lock Nut | 2 |
| 93. | 9-0530 | 10-24 x 1/2 Carriage Bolt | 1 |
| 94. | 1-1796 | Fibre Washer | 2 |
| 95. | 1-1982 | Grip | 1 |
| 96. | 9-0526 | 1/4-20 x 3/8 Sq. Hd. Set Screw | 4 |
| 97. | 2-1739 | Sleeve | 1 |
| 98. | 9-0187 | 5/16 Lock Washer | 4 |
| 99. | 9-0188 | 5/16 SAE Washer | 4 |
| 100. | 2-1740 | Spacer | 1 |
| 101. | 1-2075 | Lower Speed Lever | 1 |
| 102. | 1-2072 | Upper Pull Rod | 1 |
| 103. | 1-2070 | Bushing | 2 |
| 104. | 3-1809 | Holder Half | 1 |

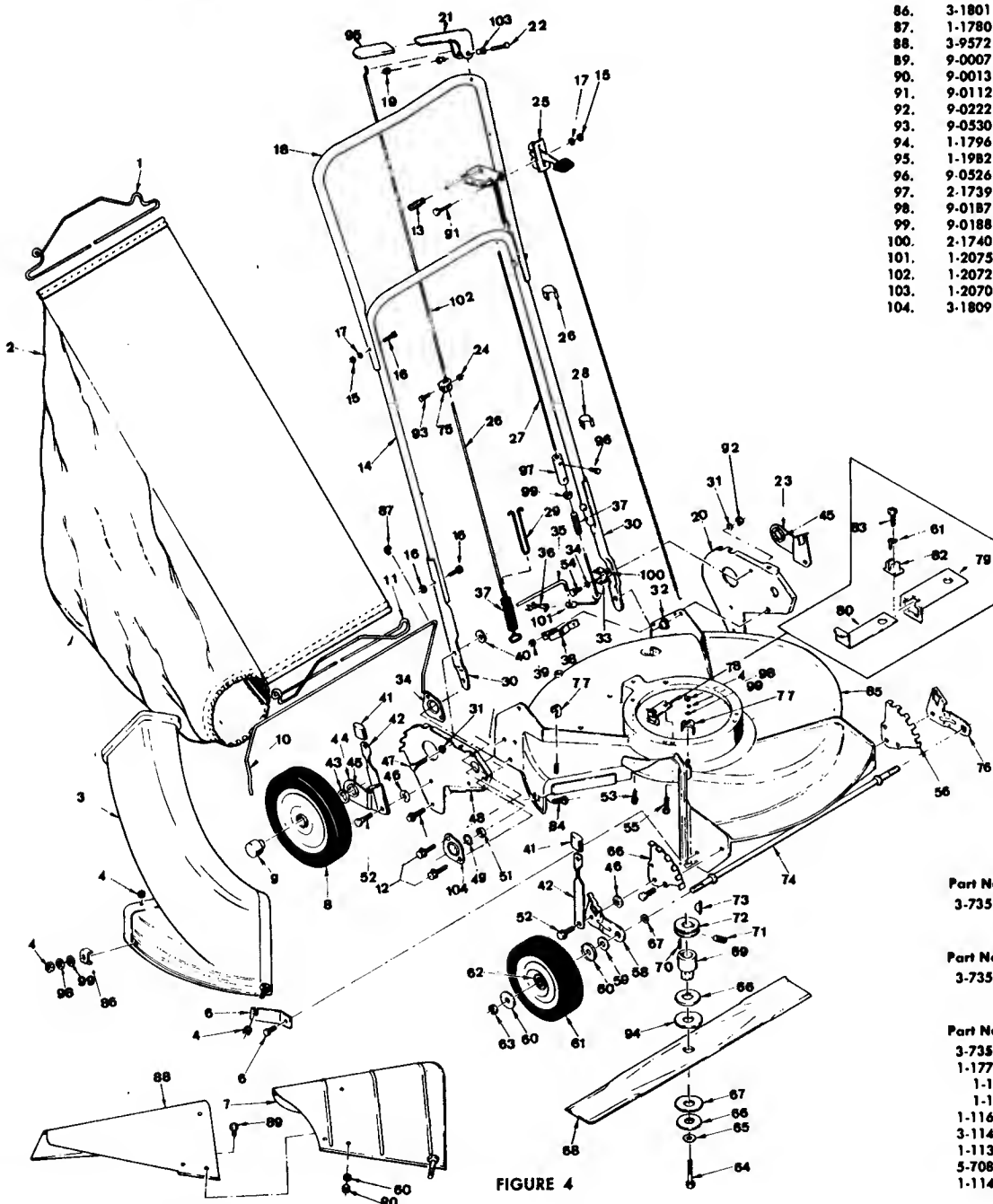


FIGURE 4

ITEMS NOT SHOWN ON V210P

| Part No. | Description | Qty. |
|----------|-------------------------|------|
| 3-7351 | Heat Shield, 3 1/2 H.P. | 1 |

ITEMS NOT SHOWN ON V210P4

| Part No. | Description | Qty. |
|----------|---------------------|------|
| 3-7351 | Heat Shield, 4 H.P. | 1 |

ITEMS NOT SHOWN ON V210PS

| Part No. | Description | Qty. |
|----------|-----------------------|------|
| 3-7351 | Heat Shield | 1 |
| 1-1770 | Battery Assembly | 1 |
| 1-1789 | Battery Charger | 1 |
| 1-1790 | Battery | 1 |
| 1-1167 | Switch Key | 1 |
| 3-1141 | Switch Mounting Plate | 1 |
| 1-1139 | Switch | 1 |
| 5-7081 | Battery Clamp | 1 |
| 1-1141 | Harness Assembly | 1 |

OPERATOR'S MANUAL

SNAPPER MOWER

MODELS SV181 — V181 — V181S
SV211 — V211 — V211S — V2114

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

TRAINING

1. Read this Manual carefully. Be thoroughly familiar with the controls and proper use of the mower.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
3. Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
5. Never attempt to make a wheel height adjustment while the engine is running.
6. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
7. Mow only in daylight or in good artificial light.
8. Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
3. Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
4. After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
5. Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
6. Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
7. Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging chute.
8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

MAINTENANCE AND STORAGE

1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
2. Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
4. Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag chute if broken or cracked.
5. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
6. Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

ASSEMBLY

HANDLES

1. Pull up and back on lower handle pivoting, Item No. 52. Tighten the two 5/16" wing nuts, Item No. 61.
2. Fasten upper handle, Item No. 56, to lower handle pivoting, Item No. 52, using two 1/4"-28 x 1-1/2" hex head cap screw, Item No. 54, two 1/4" internal tooth lock washers, Item No. 58, and two 1/4"-28 hex nuts, Item No. 51.

THROTTLE CONTROL

1. Fasten throttle control to outside of upper handle, Item No. 52, using one 1/4"-28 x 1-3/4" hex head cap screw, Item No. 21, one 1/4" internal tooth lock washer, Item No. 58, and one 1/4"-28 hex nut, Item No. 51.
2. Fasten throttle control conduit to handles using clips, Item No. 53.

GRASS BAG

1. Disconnect spark plug wire.
2. Place roll bar, Item No. 45, with off-set side on right hand side into slots in rear wheel brackets, Item No. 43, top part will lay down close to engine, raise up allowing ends to drop through the slots into holes below.
3. Place grass chute, Item No. 4, onto deck with stud nearest to caution passing through hole in chute. Make sure captive carriage bolt drops into slot in the bracket, Item No. 6, next to the right front wheel. Also make sure that chute is pushed straight downward so that ground contact of the interlock switch, Item No. 28, deflects and permits engine to be started. Place clamp, Item No. 26, with slotted end to rear, over the front stud. Secure with 5/16" flat washer, 5/16" lock washer, and one 5/16 x 18 hex nut. See page 7.
4. Place 5/16"-18 x 1" carriage bolt, Item No. 60, through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure clip, Item No. 68, with one 5/16" flat washer, one 5/16" lock washer, and one 5/16" x 18 hex nut. (NOTE: Head of carriage bolt should be to inside of deck).
5. Slip the ends of front wire, Item No. 3, through the front flap of the bag and hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap of the bag and hook over top section of lower handle. Top of bag should be slack for best performance. Tension along top of bag may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bag wire.
6. Slip the inlet end of the bag over chute as far as possible. Do not allow side of bag to block discharge opening of chute.

SIDE CHUTE

1. Remove spark plug wire.
2. Attach side chute extension, Item No. 64, to side chute, Item No. 8, using four 10/32" hex nuts, Item No. 65, four 10/32" x 5/16" round head machine screws, Item No. 67, and four 10/32" internal

tooth lock washers. (NOTE: Heads of bolts must be to inside of chute). See page 7.

3. Grip metal side chute with both hands, slightly squeezing together, slip large slot over mounting key in deck, and captive carriage bolt into slot in bracket, Item No. 6. Also be sure that chute is pushed straight downward so that ground contact of interlock switch, Item No. 28, deflects and permits engine to be started.
4. Use one of the clamps, Item No. 26, to hold the top down at the front stud. Use the other clamp to go over the rear stud and into the small slot in side chute. Fasten with three 5/16" flat washers, three 5/16" lock washers and three 5/16"-18 hex nuts.

ADJUSTMENT

CUTTING HEIGHT

1. This mower has solid through axles front and rear to give superior strength and wheel alignment. Thus, with the through axle design, it is necessary to walk the height latches one notch at a time, side to side, when it is desired to change the cutting height.
2. Setting the rear height latches one notch lower than the front will improve performance by raising the rear of the deck.

NOMINAL CUTTING HEIGHT — INCHES NOTCHES FROM THE TOP

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------------|--------|--------|--------|--------|--------|---|
| 18" — 1" | 1 1/2" | 2" | 2 3/8" | 2 3/4" | 3 1/8" | |
| 21" — 7/8" | 1 1/4" | 1 3/4" | 2 1/4" | 2 3/4" | 3 1/8" | |

OPERATION

STARTING ENGINE

1. Fill engine with SAE detergent 30 Wt. engine oil.
2. Fill gas tank with leaded or unleaded regular gas.
3. Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope rapidly.
4. On electric start models, move throttle to start, turn key to start, release when engine starts.
5. IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

GRASS BAG

1. Grass bag should be emptied before chute is allowed to clog. When the chute begins to clog, air pressure ceases to push the top of the bag upward and the sound of the engine changes.
2. The first and most important step in emptying the grass bag is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.
3. Stop engine. Grasp the front wire, Item No. 3, with

one hand, then the rear wire, Item No. 1, with the other hand, unhook and lift up, pulling the grass bag opening off of the grass chute.

4. To empty the grass bag, grasp the bag with one hand and pull off the slider, Item No. 22, with the other hand.
5. Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine. See the illustration on page 6.

GENERAL

1. SNAPPER V211 will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
2. To turn at end of row, push down on handle bars to raise front wheels off of the lawn. This permits turning on the back wheels only and saves scuffing the lawn.
3. For cutting on slopes, it is usually best to move side to side only — not up and down hill.
4. When vacuuming a paved walk or driveway, first lower deck to lowest position. It is then best to run the V211 forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windrow some litter to the right of the first swath.

MAINTENANCE

GENERAL

1. Refer to engine manual furnished with this packet of instructions, to oil, fuel, and maintain the engine properly.
2. Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
3. Have your mower inspected and serviced each year at an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
4. Factory specified Snapper replacement parts must be used to assure maximum protection against injury.
5. To prolong the life and usefulness of your mower, it is a good practice to wash out all of the grass that may be sticking to the underside of the deck.

LUBRICATION

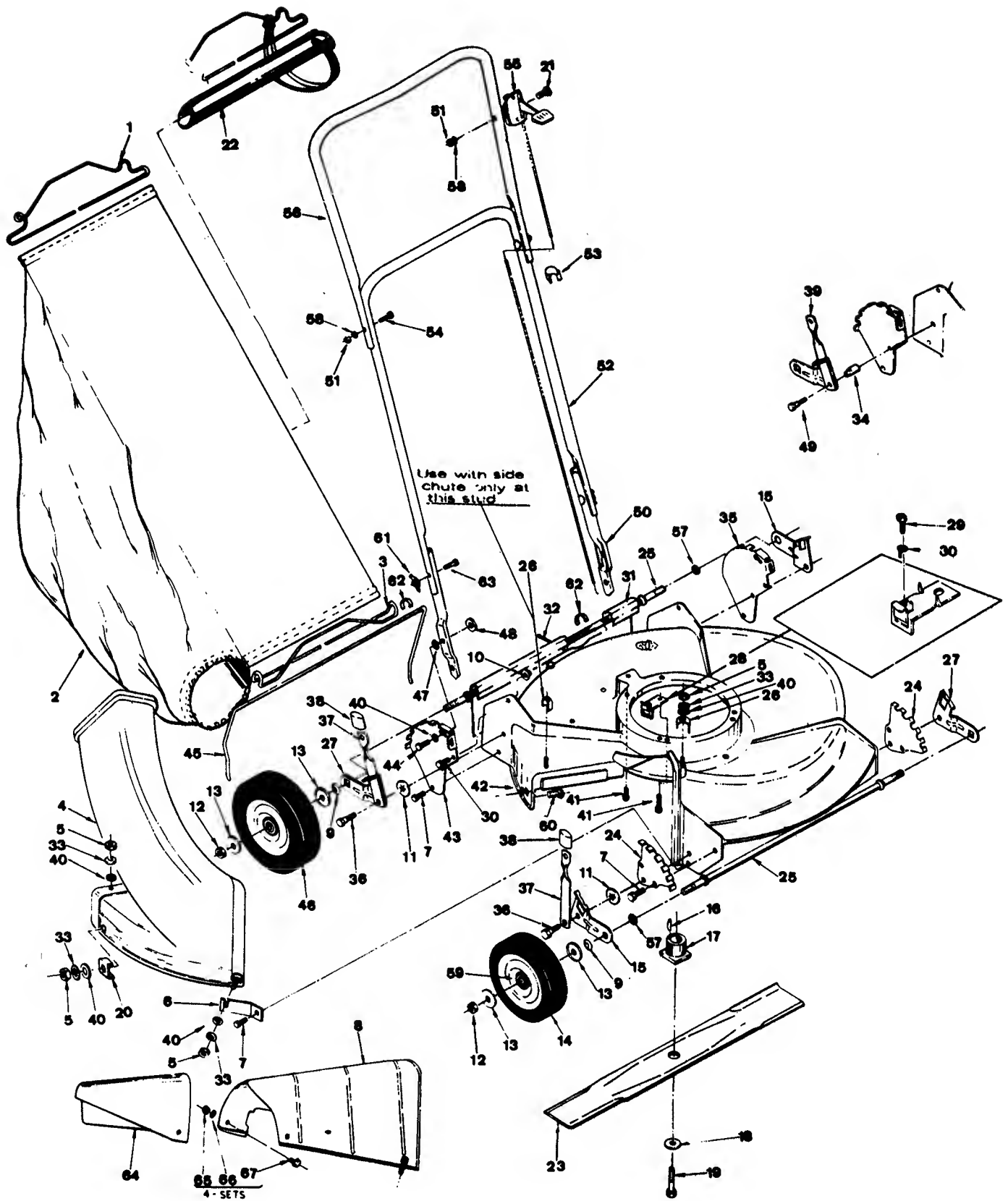
1. Change oil as specified in engine manual.
2. Occasionally put a few drops of oil on all movable parts.
3. The ball bearing wheels have been factory greased and should not be greased unless removed.

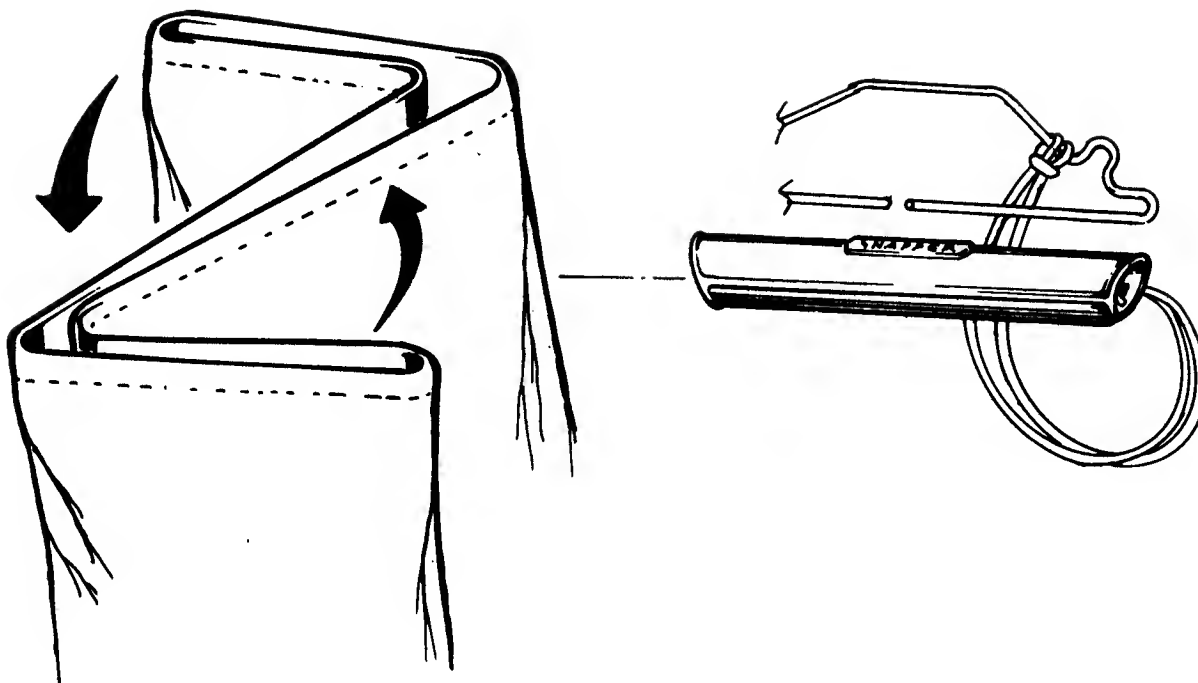
OPTIONAL ACCESSORIES

The optional accessories listed below are available from your Snapper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard household tools.

1. SIDE CHUTE KIT 6-0257 (for V181 series); 6-0258 (for V211 series). This kit consists of a metal chute and fasteners to permit conversion of the mower to side discharge operation.
2. ZIP KIT 6-0254. This kit consists of a plastic coated metal hoop which may be installed on the rear end of the grass bag. Its purpose is to permit fast transfer of the clippings directly into a standard disposable trash bag.
3. SNAPPERIZER KIT 6-0255 (for V211 series only). This kit consists of an expanded metal shredder plate, a bottom plate, and attaching hardware. Its purpose is to convert the mower into an outdoor vacuum and leaf shredder.
4. GRASS BAG KIT 6-0248 (for SV211 series) and 6-0259 (for SV181 series). This kit consists of a grass bag, roll bar, plastic chute, and fasteners to permit conversion of the mower to grass bagging operation.



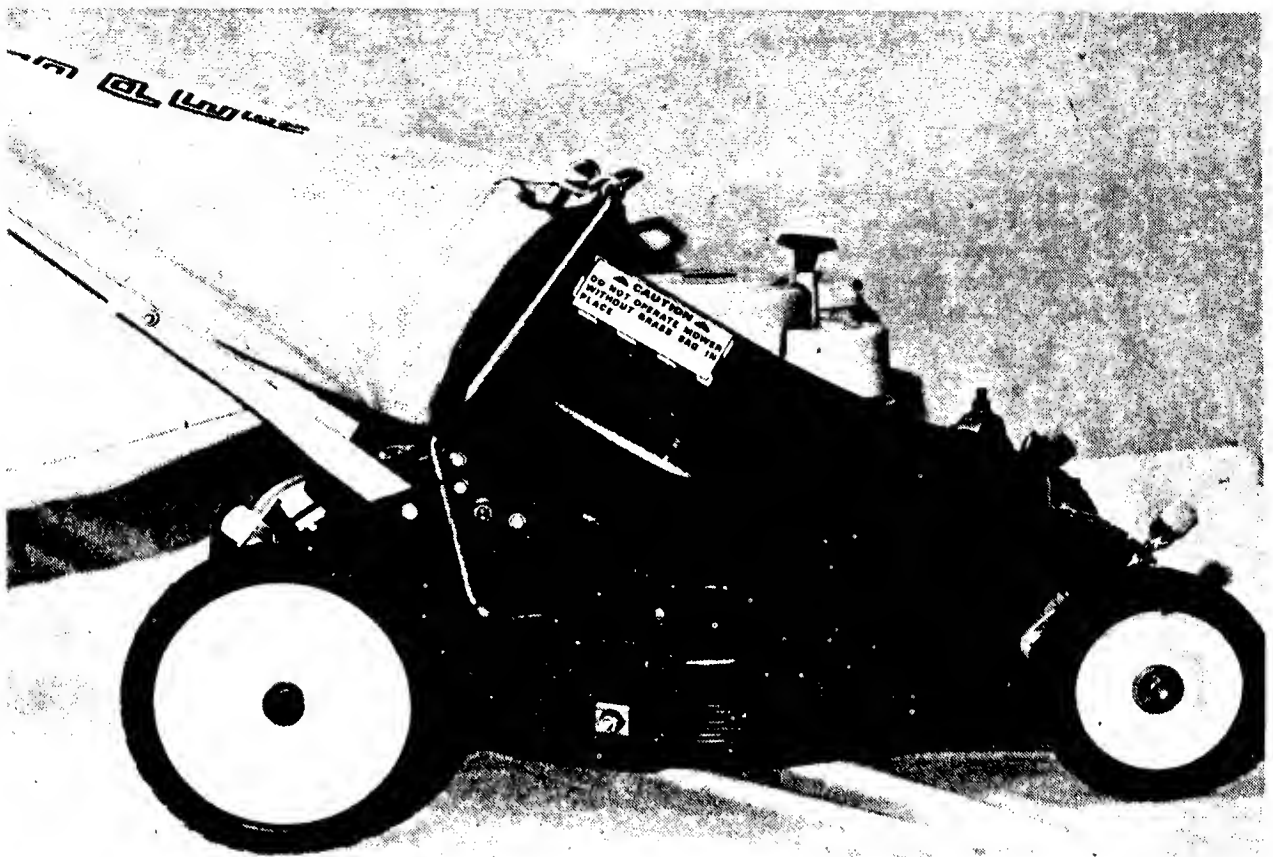




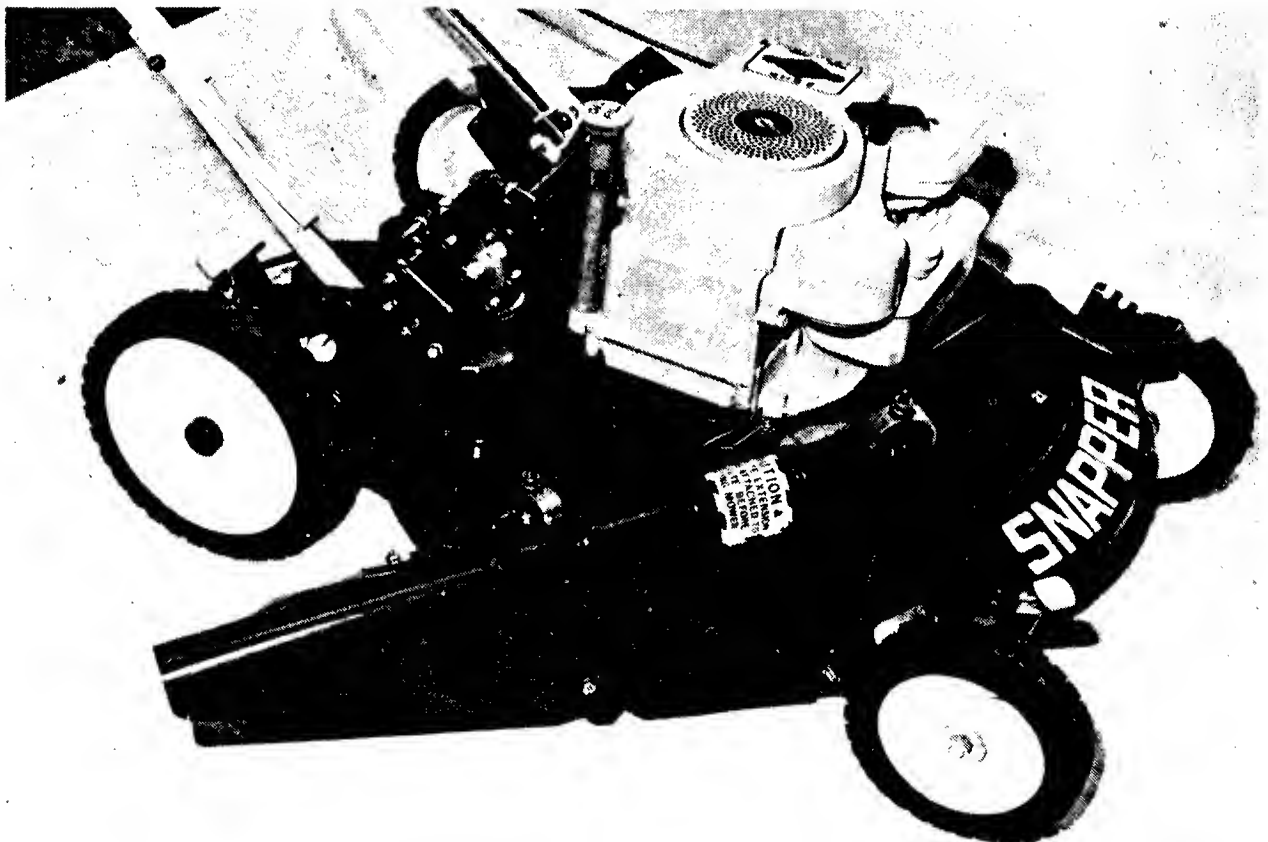
BAG CLOSING INSTRUCTIONS

1. Fold into Z shape as shown, keeping edges aligned.
2. Hold edges together while pushing on slider. Be sure all edges are inside of slider.

V SERIES



SV SERIES



THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

LIMITED WARRANTY

For one year from purchase date for a non-commercial user, or for 30 days from purchase date for a commercial user, McDonough Power Equipment, Inc., through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts, found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one year from purchase for non-commercial users, and for 30 days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and will void our warranty.

IMPORTANT: This warranty is void unless the warranty card attached is filled out completely and mailed to the Factory within 10 days of purchase date.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

OPERATOR'S MANUAL

SNAPPER MOWER

MODELS
V211P – V211PS – V211P4

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

TRAINING

1. Read this Manual carefully. Be thoroughly familiar with the controls and proper use of the mower.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
3. Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
5. Make sure that the traction drive deadman control is disengaged before starting engine.
6. Never attempt to make a wheel height adjustment while the engine is running.
7. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
8. Mow only in daylight or in good artificial light.
9. Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
3. Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
4. After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
5. Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
6. Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
7. Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging chute.
8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

MAINTENANCE AND STORAGE

1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
2. Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
4. Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag chute if broken or cracked.
5. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
6. Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

ASSEMBLY

HANDLES

1. Place lower handle, Item No. 21, Page 5, in groove of lower handle stationary; Item No. 27. Secure with two 1/4"-28 x 1-1/2" hex head cap screws, Item No. 17, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.
2. Fasten upper handle structure, Item No. 10, Page 5, to lower handle, Item No. 21, using two 1/4"-28 x 1-1/4" hex head cap screws, Item No. 19, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.

THROTTLE CONTROL

1. Fasten throttle control, Item No. 15, Page 5, to outside of upper handle structure using one 1/4"-28 x 2" hex head cap screw, Item No. 14, one 1/4" internal tooth lock washer, Item No. 18, and one 1/4"-28 hex nut, Item No. 16.

CLUTCH PULL ROD

1. Install clutch pull rod, Item No. 6, Page 5, into the clutch lever, Item No. 4, as shown in Illustration A. Secure with push nut, Item No. 2.
2. Hook eye of pull rod into wheel drive spring, Item No. 26, Page 7.
3. Slide vinyl cover, Item No. 26, Page 5, over spring and eye of clutch rod.
4. Fasten clutch rod to the outside of the handles using clip, Item No. 20, Page 5.

SPEED CONTROL LEVER

1. Place lower portion of speed control lever, Item No. 74, Page 5, into slots of speed control anchor, Item No. 32.
2. Slide spring, Item No. 13, Page 5, and washer, Item No. 12, and vinyl cover, Item No. 11, over upper section of speed control lever. (NOTE: Spring and washer must go past 90 degree bend on upper end of speed control lever).
3. Compress spring and washer so that it will be under the speed selector when the speed control lever is placed into the slot.

TRANSFER ROD

1. Install flat end of transfer rod, Item No. 53, Page 7, into slot of transfer rod connector, Item No. 52. Slide 1/4" rod clip, Item No. 55, Page 7, onto speed control lever. Place round end of transfer rod through speed control lever and fasten rod clip to transfer rod.

GRASS BAG

1. Disconnect spark plug wire.
2. Place roll bar, Item No. 24, Page 5, with off-set on right hand side into slots in rear wheel brackets, Item Nos. 47 and 49 on Page 5. Top part will lay down close to engine. Raise up, allowing ends to drop through slots into holes below.
3. Place grass chute, Item No. 1, Page 7, onto deck with stud nearest to caution passing through hole in chute. Make sure captive carriage bolt drops into slot in the bracket, Item No. 7, Page 7, next to the

right front wheel. Also, make sure that chute is pushed straight downward so that ground contact of interlock switch, Item 71, deflects and permits engine to be started. Place clamp, Item No. 9, with slotted end to rear, over the front stud. Secure with 5/16" washer and 5/16" hex nut. See page 8.

4. Place 5/16" x 18 x 1" carriage bolt, Item No. 8, Page 7, through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure with clip, Item No. 5, 5/16" lock washer, Item No. 3, and 5/16" hex nut, Item No. 2. (NOTE: Head of carriage bolt should be on inside of deck).
5. Slip the ends of front wire, Item No. 25, Page 5, through the front flap of the bag and hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap of the bag and hook over top section of lower handle. Top of bag should be slack for best performance. Tension along top of bag may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bag wire.
6. Slip the inlet end of bag over chute as far as possible. Do not allow side of bag to block discharge opening of chute.

ADJUSTMENT

SPEED LEVER

1. When speed lever, Item No. 7, Page 5, is in the highest position, the centerline of the rubber drive tire, Item No. 47, Page 7, Illustration G, should be 1/8" to 1/4" in from the outside edge of the flat driven disc, Item No. 57, Page 7, Illustration G. To adjust, loosen the 5/16" nut at the transfer rod connector, Item No. 52, Page 7, and slide connector on thrust plate arm. Re-tighten nut and check clearance after running engine.

CLUTCH ROD TENSION

2. To check for proper tension on the clutch rod, Item No. 6, Page 5, slide vinyl cover, Item No. 26, Page 5, up on clutch rod. There should be 1/16" to 1/8" clearance between the top hook of the wheel drive spring, Item No. 26, Page 7, and the bottom of the eye of the clutch rod, when clutch lever is disengaged. To adjust, unhook spring from clutch rod and rotate outer spring over inner spring clockwise to reduce clearance and counter-clockwise to increase clearance. Re-install spring and vinyl cover.

CUTTING HEIGHT

3. This mower has through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.

Setting the rear height latches one notch lower than the front will improve performance in heavy grass by raising the rear of the deck.

NOMINAL HEIGHT OF CUT — INCHES NOTCHES FROM THE TOP

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|--------|--------|--------|--------|--------|
| 7 8" | 1 1/4" | 1 3/4" | 2 1/4" | 2 3/4" | 3 1/8" |

OPERATION

STARTING ENGINE

1. Fill engine with SAE detergent 30 Wt. engine oil.
2. Fill gas tank with leaded or unleaded regular gas.
3. Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope rapidly.
4. On electric start models, move throttle to start, turn key to start, release when engine starts.
5. **IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.**

DRIVE SYSTEM

1. To engage drive system, grip clutch handle, Item No. 4, Page 5, against upper handle structure, Item No. 10. When handle is released, drive automatically disengages and mower goes into free wheeling for easy maneuvering.
2. To select ground speed, shift speed control lever, Item No. 74, Page 5, down for slow and up for fast. Shifting effort is minimum with engine running.

GRASS BAG

1. Grass bag should be emptied before chute is allowed to clog. When the chute begins to clog, air pressure ceases to push the top of the bag upward and the sound of the engine changes.
2. The first and most important step in emptying the grass bag is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.
3. Stop engine. Grasp the front wire, Item No. 25, with one hand, then the rear wire, Item No. 1, with the other hand, unhook and lift up, pulling the grass bag opening off of the grass chute.
4. To empty the grass bag, grasp the bag with one hand and pull off the slider, Item No. 73, Page 5, with the other hand.
5. Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine. See instructions on bag.

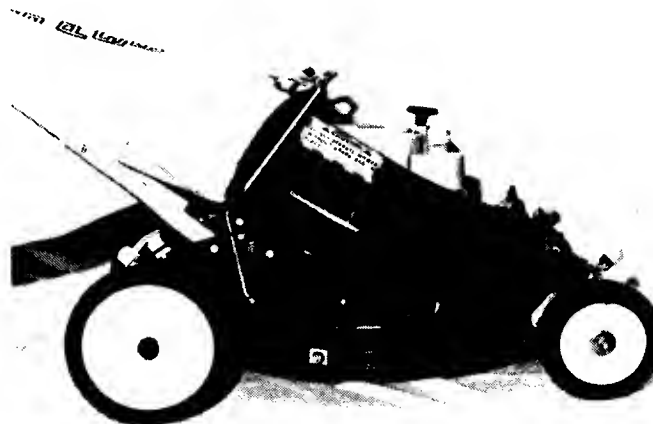
MAINTENANCE

GENERAL

1. Refer to engine manual furnished with this packet of instructions to oil, fuel, and maintain the engine properly.
2. Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
3. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
4. Factory specified Snapper replacement parts must be used to assure maximum protection against injury.
5. OCCASIONALLY CHECK FOR WEAR ON THE RUBBER DRIVEN RING. WHEN RUBBER IS WORN WITHIN 1/16" OF METAL, DRIVEN RING SHOULD BE REPLACED TO PREVENT DAMAGE TO DRIVE DISC ASSEMBLY.
6. To prolong the life and usefulness of your mower, it is a good practice to wash out all of the grass that may be sticking to the underside of the deck.

LUBRICATION

1. Change oil as specified in engine manual.
2. Occasionally put a few drops of oil on all moveable parts.
3. The ball bearing wheels have been factory greased and should not be greased unless removed.
4. Transmission assembly is pre-lubricated with four ounces of SNAPPER "00" GREASE, Part No. 1-1050. To check grease, remove plug, Item No. 78, Page 7. If no grease is visible on input gear assembly, Item No. 80, add grease to transmission and replace plug. The grease should be checked every 20 hours of operation.



PARTS LIST

| Item | Part No. | Description | Qty. | Item | Part No. | Description | Qty. |
|------|----------|----------------------------------|------|------|----------|------------------------------------|------|
| 1. | 3-1128 | Rear Wire | 1 | 55. | 9-0302 | 1/4-20 x 3/8" H.W.S.T. | 2 |
| 2. | 1-2134 | Push Nut | 1 | 56. | 3-1809 | Holder Half | 1 |
| 3. | 1-2135 | Bushing | 2 | 57. | 9-0324 | 3/8-18 x 1" H.W.S. ST. Engine Bolt | 3 |
| 4. | 3-1881 | Clutch Handle | 1 | 58. | 9-0377 | 7/16-20 Jam Lock Nut | 2 |
| 5. | 1-1982 | Grip | 1 | 59. | 3-1121 | Front Hub Cap | 4 |
| 6. | 1-2120 | Clutch Pull Rod | 1 | 60. | 1-1083 | Front Wheel, 7 x 1.50 | 2 |
| 7. | 1-1886 | Pin | 1 | 61. | 3-7300 | Front Bracket | 2 |
| 8. | 9-0489 | Push Nut | 1 | 62. | 3-1017 | Wheel Arm, Front R.H. | 1 |
| 9. | 1-2070 | Bushing | 2 | 63. | 2-1119 | Front Axle | 1 |
| 10. | 4-9567 | Upper Str. Handle | 1 | 64. | 2-9805 | Deck | 1 |
| 11. | 1-1879 | Grip | 1 | 65. | 3-1016 | Wheel Arm, Front L.H. | 1 |
| 12. | 9-0188 | 5/16" Washer | 1 | 66. | 1-1079 | Spring Washer | 2 |
| 13. | 1-2093 | Spring | 1 | 67. | 9-0379 | 8-C x 3/4 SMS. | 1 |
| 14. | 9-0112 | 1/4-28 x 2" H.H.C.S. | 1 | 68. | 9-0385 | No. 8 Tab Washer | 1 |
| 15. | 1-8088 | Throttle Control, B. & S. | 1 | 69. | 5-0678 | Interlock Assembly | 1 |
| 15. | 1-8099 | Throttle Control, Tecumseh | 1 | 70. | 1-2110 | Speed Control Lever | 1 |
| 16. | 9-0095 | 1/4-28 Hex Nut | 5 | 71. | 9-0238 | 5/16-24 x 1" H.H.C.S. | 1 |
| 17. | 9-0528 | 1/4-28 x 1 1/2" H.H.C.S., Gr. 5 | 2 | 72. | 9-0368 | 5/16-18 x 3/4" H.W.S. ST. | 2 |
| 18. | 9-0053 | 1/4 Internal Tooth Lock Washer | 4 | | | | |
| 19. | 9-0529 | 1/4-28 x 1 1/4" H.H.C.S., Gr. 5 | 2 | | | | |
| 20. | 1-0098 | Clip | 2 | | | | |
| 21. | 3-7331 | Lower Handle Pivoting | 1 | | | | |
| 22. | 1-2157 | Grass Bag | 1 | | | | |
| 23. | 1-1780 | Nylon Ring | 2 | | | | |
| 24. | 3-7305 | Roll Bar | 1 | | | | |
| 25. | 3-1127 | Front Wire | 1 | | | | |
| 26. | 1-2121 | Vinyl Cover | 1 | | | | |
| 27. | 3-7333 | Lower Handle | 2 | | | | |
| 28. | 9-0361 | 5/16 x 18 x 5/8 HWS ST. | 4 | | | | |
| 29. | 9-0189 | 5/16 Int.-Ext. Tooth Lack Washer | 2 | | | | |
| 30. | 9-0388 | T-Nut | 2 | | | | |
| 31. | 9-0222 | 5/16-24 Lock Nut | 1 | | | | |
| 32. | 3-1755 | Speed Control Anchor | 1 | | | | |
| 33. | 9-0240 | 5/16-24 x 1 1/4" H.H.C.S. | 1 | | | | |
| 34. | 1-0783 | Hi - Pro - Key | 1 | | | | |
| 35. | 2-1707 | Engine Pulley | 1 | | | | |
| 36. | 5-0723 | Rear Wheel Arm Assembly, L.H. | 1 | | | | |
| 37. | 1-0008 | Key | 1 | | | | |
| 38. | 1-2180 | Blade Drive Hub | 1 | | | | |
| 39. | 5-0711 | Slider Assembly | 1 | | | | |
| 40. | 1-8166 | Blade | 1 | | | | |
| 41. | 1-2063 | Cone Washer | 1 | | | | |
| 42. | 9-0523 | 3/8-24 x 1-1/2" Gr. 5 Cap Screw | 1 | | | | |
| 43. | 1-0410 | Roll Pin | 2 | | | | |
| 44. | 5-0722 | Rear Wheel Arm Assembly, R.H. | 1 | | | | |
| 45. | 1-1093 | Grip | 4 | | | | |
| 46. | 1-0921 | Height Latch | 4 | | | | |
| 47. | 3-7308 | Rear Bracket, R.H. | 1 | | | | |
| 48. | 9-0197 | 5/16-18 Jam Nut | 4 | | | | |
| 49. | 3-7309 | Rear Bracket, L.H. | 1 | | | | |
| 50. | 1-1791 | Bolt Retainer | 4 | | | | |
| 51. | 1-1078 | 5/16-16 Shoulder Screw | 4 | | | | |
| 52. | 1-0935 | 3/4" Washer | 2 | | | | |
| 53. | 1-1113 | Rear Hub Cap | 2 | | | | |
| 54. | 1-0945 | Rear Wheel | 2 | | | | |

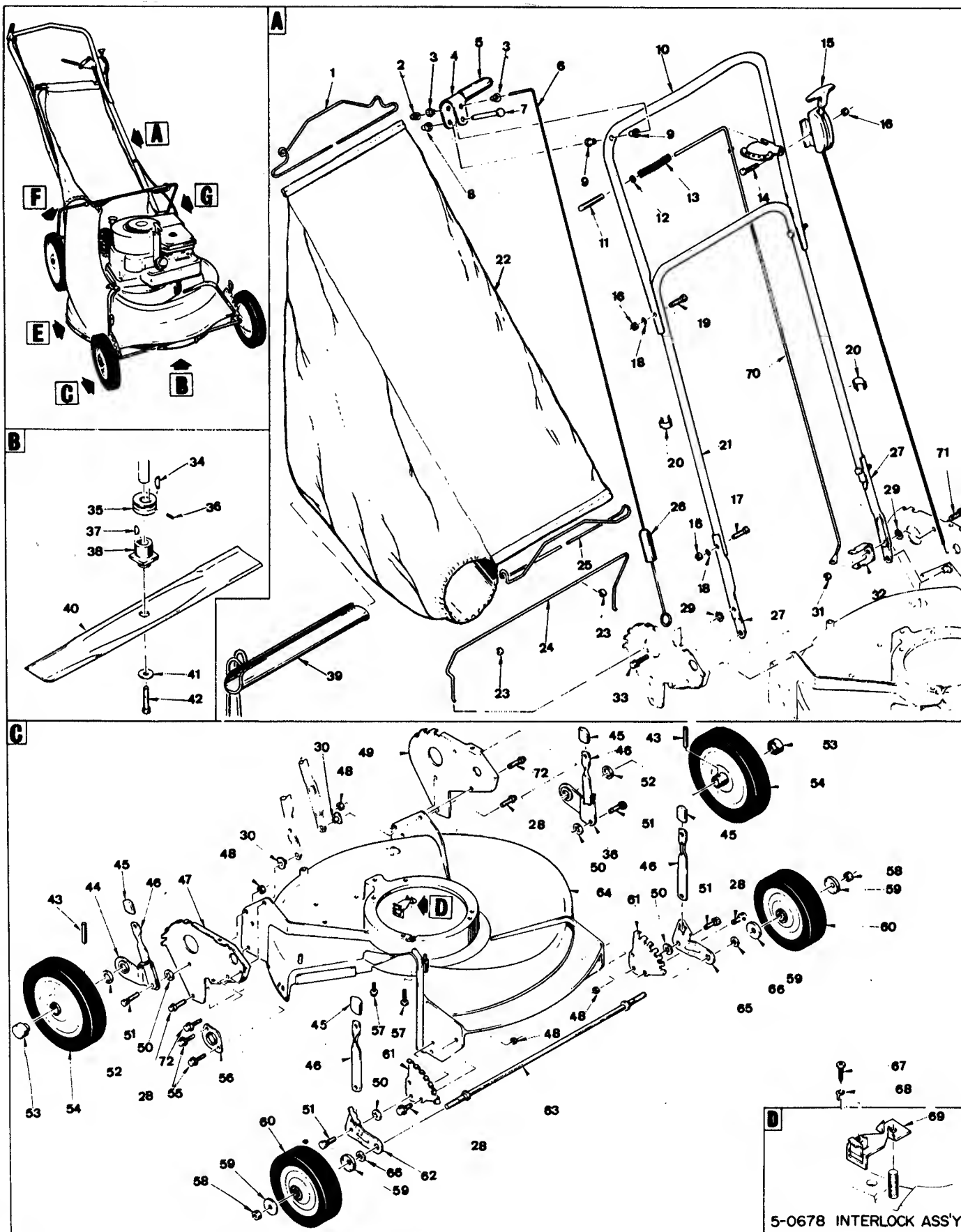
ITEMS NOT SHOWN — BRIGGS AND TECUMSEH ELECTRIC

| | | |
|--------|----------------------------------|---|
| 1-1762 | Cover, Spark Plug | 1 |
| 1-1789 | Battery Charger | 1 |
| 1-1790 | Battery | 1 |
| 1-1139 | Switch W/Keys | 1 |
| 1-8095 | Wiring Harness | 1 |
| 5-0705 | Battery and Switch Bracket Assy. | 1 |
| 1-1167 | Key | 1 |

OPTIONAL ACCESSORIES

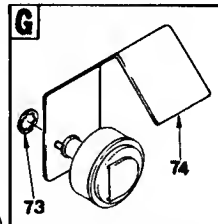
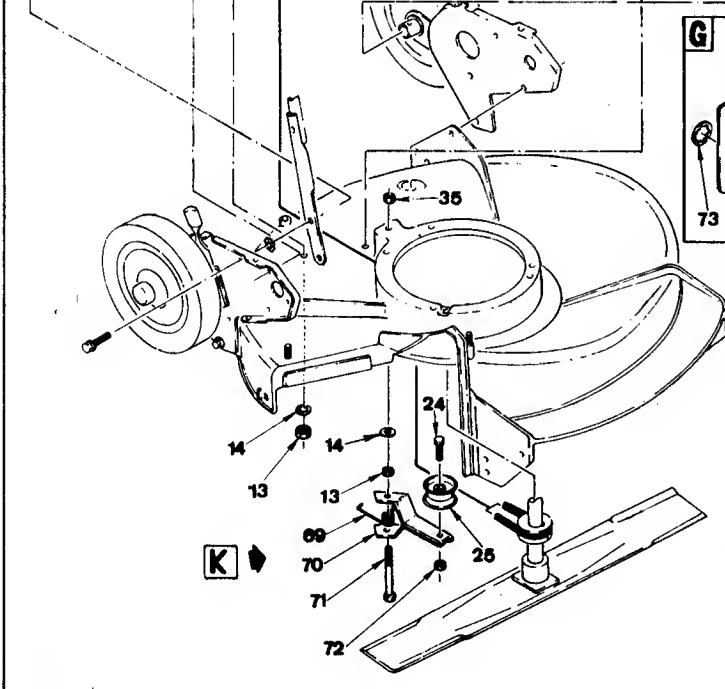
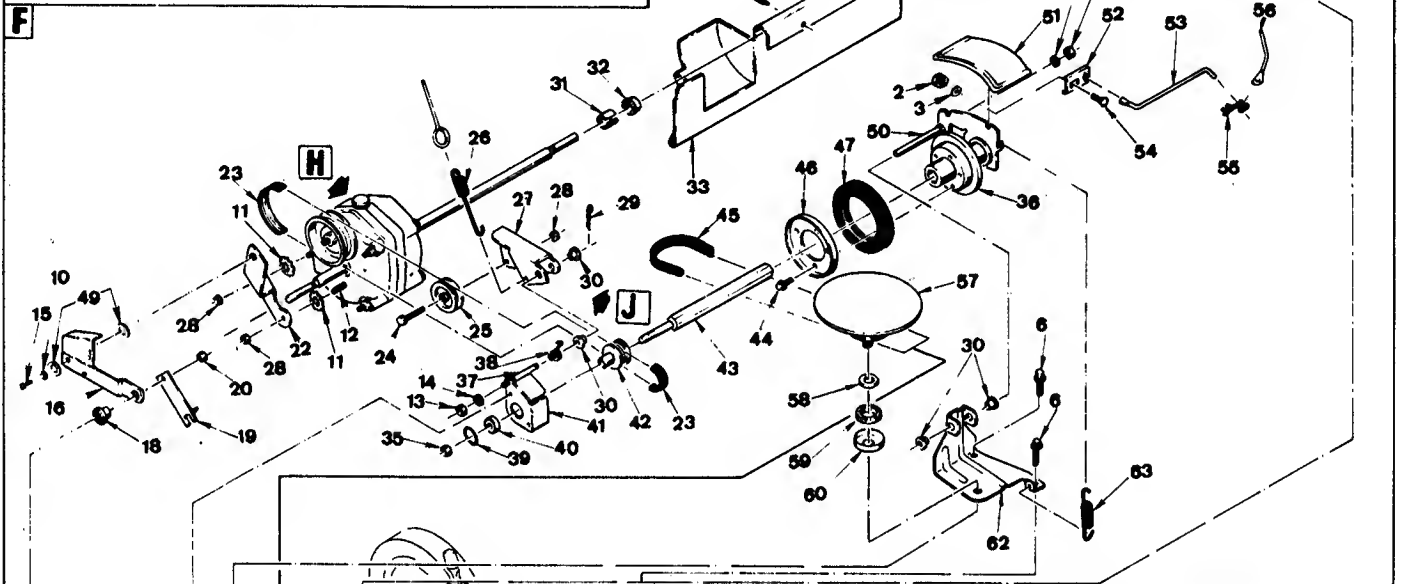
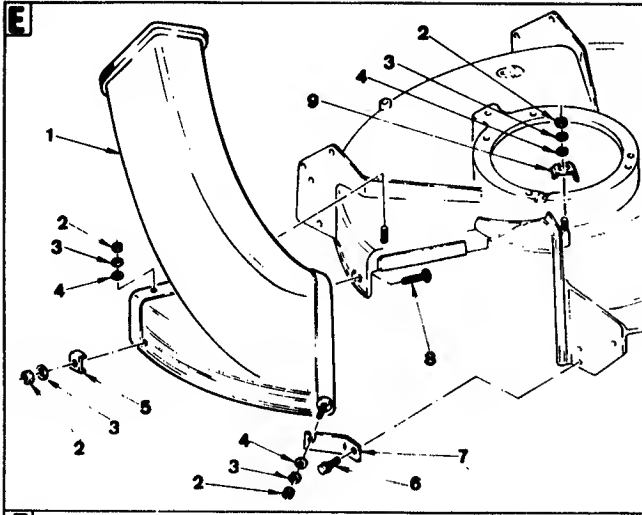
The optional accessories listed below are available from your Snapper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard household tools.

1. SIDE CHUTE KIT 6-0258. This kit consists of a metal chute and fasteners to permit conversion of the mower to side discharge operation.
2. ZIP KIT 6-0254. This kit consists of a plastic coated metal hoop which may be installed on the rear end of the grass bag. Its purpose is to permit fast transfer of the clippings directly into a standard disposable trash bag.
3. SNAPPERIZER KIT 6-0255. This kit consists of an expanded metal shredder plate, a bottom plate, and attaching hardware. Its purpose is to convert the mower into a combined outdoor vacuum and leaf shredder.



PARTS LIST

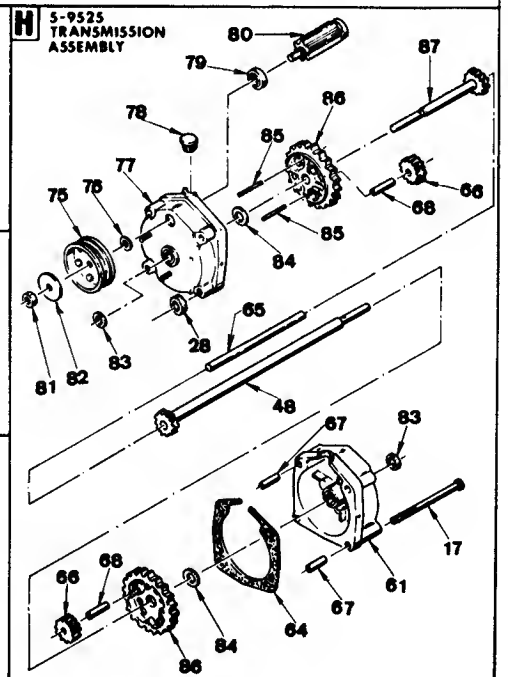
| Item | Part No. | Description | Qty. | Item | Part No. | Description | Qty. |
|------|----------|----------------------------------|------|------|----------|---------------------------------|------|
| 1. | 5-0679 | Grass Chute Assembly | 1 | 56. | 1-2110 | Speed Control Lever | 1 |
| 2. | 9-0196 | 5/16-18 Hex Nut | 5 | 57. | 5-0702 | Drive Disc Assembly | 1 |
| 3. | 9-0187 | 5/16 Lock Washer | 5 | | 3-1879 | Optional Steel Drive Disc Cap | 1 |
| 4. | 9-0188 | 5/16 Flat Washer | 3 | 58. | 9-0122 | 3/8" SAE Washer | 1 |
| 5. | 3-1801 | Clip | 1 | 59. | 1-1032 | Felt Seal | 1 |
| 6. | 9-0361 | 5/16-18 x 5/8 SEMS ST. | 3 | 60. | 3-1132 | Bearing Shield | 1 |
| 7. | 3-1124 | Side Bracket | 1 | 61. | 5-0269 | Outboard Housing Assembly | 1 |
| 8. | 9-0208 | 5/16-18 x 1 Carriage Bolt | 1 | 62. | 3-1875 | Deck Bracket | 1 |
| 9. | 3-1123 | Clomp | 2 | 63. | 1-2123 | Spring-Wheel Drive | 1 |
| 10. | 9-0391 | 5/16 Internal Tooth Lock Washer | 1 | 64. | 1-1774 | Gasket | 1 |
| 11. | 9-0189 | 5/16 Int.-Ext. Tooth Lock Washer | 2 | 65. | 2-1132 | Shaft | 1 |
| 12. | 9-0535 | 1/4-28 x 1 H.H.C.S., Gr. 5 | 2 | 66. | 2-1115 | 12 Tooth Gear | 2 |
| 13. | 9-0155 | 3/8-24 Hex Nut | 3 | 67. | 1-0826 | Roll Pin | 2 |
| 14. | 9-0390 | 3/8 Internal Tooth Lock Washer | 3 | 68. | 1-1110 | Shaft | 2 |
| 15. | 9-0534 | 5/16-18 x 3/8 HWST. | 1 | 69. | 1-2218 | Idler Spring | 1 |
| 16. | 3-1880 | Differential Link | 1 | 70. | 3-1006 | Idler Bracket | 1 |
| 17. | 9-0487 | 1/4-28 x 3 1/4 H.H.C.S. | 4 | 71. | 9-0174 | 3/8-24 x 3 Hex Head Cop Screw | 1 |
| 18. | 1-2114 | Differential Link Bushing | 1 | 72. | 9-0303 | 1/4-28 Hex Lock Nut | 1 |
| 19. | 3-1882 | Lower Belt Guide | 1 | 73. | 9-0457 | Internal Tooth Lock Washer | 1 |
| 20. | 9-0222 | 5/16-24 Hex Lock Nut | 1 | 74. | 3-7351 | Heat Shield, Briggs Engine Only | 1 |
| 21. | 9-0095 | 1/4-28 Hex Nut | 2 | 75. | 1-2109 | Polly V-Pulley - 3/4 O.D. | 1 |
| 22. | 4-0435 | Differential Bracket | 1 | 76. | 1-1724 | Spring Washer | 1 |
| 23. | 1-2119 | Polly V Belt | 1 | 77. | 5-7093 | Inboard Housing Assembly | 1 |
| 24. | 9-0107 | 1/4-28 x 1 1/4 H.H.C.S. | 2 | 78. | 1-1133 | Plug | 1 |
| 25. | 1-2124 | Idler Pulley | 2 | 79. | 1-1767 | Ball Bearing | 1 |
| 26. | 1-2122 | Spring-Clutch | 1 | 80. | 5-0305 | Input Gear Assembly | 1 |
| 27. | 3-1877 | Clutch Idler Arm | 1 | 81. | 1-1201 | 5/16-24 Hex Lock Nut | 1 |
| 28. | 9-0303 | 1/4 x 28 Hex Lock Nut | 6 | 82. | 1-1132 | Clutch Washer | 1 |
| 29. | 9-0037 | 3/32 x 3/4 Catter Pin | 1 | 83. | 1-1179 | Seal | 2 |
| 30. | 1-2117 | Nylon Bushing | 4 | 84. | 2-0938 | Thrust Washer | 2 |
| 31. | 1-2199 | Axle Spacer | 1 | 85. | 1-0172 | 3/16 x 1 5/8" Roll Pin | 2 |
| 32. | 1-0694 | Nylon Bushing | 2 | 86. | 1-0919 | 46 Tooth Gear | 2 |
| 33. | 3-9576 | Rear Guard | 1 | 87. | 5-0262 | Short Axle Assembly | 2 |
| 34. | 9-0042 | 1/8 x 1 1/4" Catter Pin | 1 | | | | |
| 35. | 9-0289 | 3/8-24 Hex Lock Nut | 1 | | | | |
| 36. | 5-7092 | Driven Disc Assembly | 1 | | | | |
| 37. | 1-2111 | Idler Stud | 1 | | | | |
| 38. | 1-2126 | Idler Tension Spring | 1 | | | | |
| 39. | 1-1025 | O-Ring | 1 | | | | |
| 40. | 1-1885 | Bearing | 1 | | | | |
| 41. | 3-1873 | Halder Half | 1 | | | | |
| 42. | 1-2140 | Polly V-Pulley | 1 | | | | |
| 43. | 2-1745 | Hex Shaft | 1 | | | | |
| 44. | 9-0307 | 10-24 x 1/2" SIMS | 5 | | | | |
| 45. | 1-1887 | Engine Belt | 1 | | | | |
| 46. | 3-1013 | Tire Plate | 1 | | | | |
| 47. | 1-0927 | Driven Ring | 1 | | | | |
| 48. | 5-0263 | Long Axle Assembly | 1 | | | | |
| 49. | 1-1079 | Spring Washer | 2 | | | | |
| 50. | 1-2125 | Thrust Plate Guide | 1 | | | | |
| 51. | 1-2118 | Tire Cover | 1 | | | | |
| 52. | 3-1874 | Transfer Rod Connector | 1 | | | | |
| 53. | 1-2255 | Transfer Rod | 1 | | | | |
| 54. | 9-0316 | 5/16-18 x 3 4 Carriage Bolt | 1 | | | | |
| 55. | 1-0937 | 1/4" Rod Clip — Right Arc | 1 | | | | |



J 5-0706 CLUTCH IDLER ASSEMBLY



K 5-0703 IDLER ASSEMBLY



THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

LIMITED WARRANTY

For one year from purchase date for a non-commercial user, or for 30 days from purchase date for a commercial user, McDonough Power Equipment, Inc., through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts, found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one year from purchase for non-commercial users, and for 30 days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and will void our warranty.

IMPORTANT: This warranty is void unless the warranty card attached is filled out completely and mailed to the Factory within 10 days of purchase date.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

OPERATOR'S MANUAL

SNAPPER MOWER

MODELS SV182 — V182 — V182S
SV212 — V212 — V212S — V2124

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

TRAINING

1. Read this Manual carefully and question your dealer if something is not clear. Should the dealer be unavailable or unable to answer to your satisfaction, write or call our Customer Service Department at the factory. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
3. Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
5. Never attempt to make a wheel height adjustment while the engine is running.
6. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
7. Mow only in daylight or in good artificial light.
8. Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
3. Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
4. After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
5. Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
6. Before cleaning, repointing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
7. Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging adapter.
8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

MAINTENANCE AND STORAGE

1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
2. Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
4. Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag adapter if broken or cracked.
5. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
6. Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

ASSEMBLY

HANDLES

1. Pull up and back on lower handle pivoting, Item No. 52. Tighten the two 5/16" wing nuts, Item No. 61.
2. Fasten upper handle, Item No. 56, to lower handle pivoting, Item No. 52, using two 1/4"-28 x 1-1/2" hex head cap screw, Item No. 54, two 1/4" internal tooth lock washers, Item No. 58, and two 1/4"-28 hex nuts, Item No. 51.

THROTTLE CONTROL

1. Fasten throttle control to inside of upper handle, Item No. 56, using one 1/4"-28 x 1-3/4 hex head cap screw, Item No. 21, one 1/4" internal tooth lock washer, Item No. 58, and one 1/4"-28 hex nut, Item No. 51.
2. Fasten throttle control conduit to handles using clips, Item No. 53.

GRASS BAG — V182 SERIES

1. Disconnect and secure spark plug wire.
2. Place roll bar, Item No. 45, with off-set side on right hand side into slots in rear wheel brackets, Item No. 43, top part will lay down close to engine, raise up allowing ends to drop through the slots into holes below.
3. Place bag adapter, Item No. 4, onto deck with stud nearest to "caution", passing through hole in bag adapter. Make sure the slot in the bag adapter drops over the spacer, Item No. 65, and the rear of the bag adapter slides inside of guide plate, Item No. 64. Also make sure that bag adapter is pushed straight downward so that the ground contact of interlock switch deflects and permits engine to be started. Place clamp, Item No. 26, with short leg to rear over front stud. Secure bag adapter at front and rear stud with 5/16 flat washer, 5/16 lock washer and 5/16-18 wing nut.

V182

4. Slip the ends of front wire, Item No. 3, through the front flap of the bag and hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap of the bag and hook over top section of lower handle. Top of bag should be slack for best performance. Tension along top of bag may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bag wire.

V212

4. Slip ends of rear wire, Item No. 1, Page 5, into the rear flap of grass bag. Hold the bag connector in hand, push flange section through inlet of bag, such that only the straight rod is outside. Slide rod through front loop of bag connector. Stretch inlet of bag completely around flange of bag connector. Hook rear wire over top section of middle handle. Start bottom lip of bag connector into top of bag adapter opening. Tilt bag connector toward front of mower and push downward so that flanges of bag connector will be behind flanges of the bag adapter.

V182

5. Slip the inlet end of the bag over bag adapter as far as possible. Do not allow side of bag to block discharge opening of bag adapter.

SIDE CHUTE

1. Disconnect and secure spark plug wire
2. Grip side chute structure, Item No. 8, with both hands, slightly squeezing together, place tab over stud at rear of discharge area and slip large slot over mounting key in deck. Slot in front of side chute structure must go down over spacer, Item No. 65. Also be sure that side chute is pushed straight downward so that ground contact of the interlock switch deflects and permits engine to be started.
3. Secure tab at rear stud with one 5/16 lock washer, one 5/16 flat washer, and one 5/16-18 wing nut. Place clamp, Item No. 26, with short leg to rear over the front stud. Secure with 5/16 flat washer, 5/16 lock washer and 5/16-18 wing nut.

ADJUSTMENT

CUTTING HEIGHT

1. This mower has solid through axles front and rear to give superior strength and wheel alignment. Thus, with the through axle design, it is necessary to walk the height latches one notch at a time, side to side, when it is desired to change the cutting height.
2. Setting the rear height latches one notch lower than the front will improve performance by raising the rear of the deck.

NOMINAL CUTTING HEIGHT — INCHES NOTCHES FROM THE TOP

| | 1 | 2 | 3 | 4 | 5 | 6 |
|------------|--------|--------|--------|--------|--------|---|
| 18" — 1" | 1 1/2" | 2" | 2 3/8" | 2 3/4" | 3 1/8" | |
| 21" — 7/8" | 1 1/4" | 1 3/4" | 2 1/4" | 2 3/4" | 3 1/8" | |

OPERATION

STARTING ENGINE

1. Fill engine with SAE detergent 30 Wt. engine oil.
2. Fill gas tank with leaded or unleaded regular gas.
3. Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope rapidly.
4. On electric start models, move throttle to start, turn key to start, release when engine starts.
5. IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

GRASS BAG

1. Grass bag should be emptied before bag adapter is allowed to clog. When the bag adapter begins to clog, air pressure ceases to push the top of the bag

upward and the sound of the engine changes.

2. The first and most important step in emptying the grass bag is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.

V182

3. Stop engine. Grasp the front wire, Item No. 3, with one hand, then the rear wire, Item No. 1, with the other hand, unhook and lift up, pulling the grass bag opening off of the bag adapter.

V212

3. Stop engine, grasp the bag connector and lift off of the bag adapter. The initial lifting motion must be in line with the flange on the bag adapter to prevent binding. Unhook rear wire and lift bag from between handles. When bag is heavily loaded, it may be easier to unhook rear wire first and then lift off bag connector. Mower may be pushed forward for access to bag.
4. To empty the grass bag, grasp the bag with one hand and pull off the slider, Item No. 22, with the other hand.
5. Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine.

GENERAL

1. SNAPPER V212 will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
2. To turn at end of row, push down on handle bars to raise front wheels off of the lawn. This permits turning on the back wheels only and saves scuffing the lawn.
3. For cutting on slopes, it is usually best to move side to side only — not up and down hill.
4. When vacuuming a paved walk or driveway, first lower deck to lowest position. It is then best to run the V212 forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windrow some litter to the right of the first swath.

MAINTENANCE

GENERAL

1. Refer to engine manual furnished with this packet of instructions, to oil, fuel, and maintain the engine properly.
2. Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
3. Have your mower inspected and serviced each year at an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
4. Factory specified Snapper replacement parts must be used to assure maximum protection against

injury.

5. To prolong the life and usefulness of your mower, it is a good practice to wash out all of the grass that may be sticking to the underside of the deck.

LUBRICATION

1. Change oil as specified in engine manual.
2. Occasionally put a few drops of oil on all moveable parts.

OPTIONAL ACCESSORIES

The optional accessories listed below are available from your Snapper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard household tools.

1. SIDE CHUTE KIT 6-0286 (for V182 Series); 6-0287 (for V212 Series). This kit consists of a metal chute and fasteners to permit conversion of the mower to side discharge operation.
2. ZIP KIT 6-0254. This kit consists of a plastic coated metal hoop which may be installed on the rear end of the grass bag. Its purpose is to permit fast transfer of the clippings directly into a standard disposable trash bag.
3. SNAPPERIZER KIT 6-0295 (for V212); 6-0296 (for V182). This kit consists of an expanded metal shredder plate, a bottom plate, and attaching hardware. Its purpose is to convert the mower into an outdoor vacuum and leaf shredder.
4. GRASS BAG KIT 6-0284 (for SV182 Series); 6-0285 (for SV212 Series). This kit consists of a bag adapter and component parts to permit conversion of the mower to grass bagging operation.

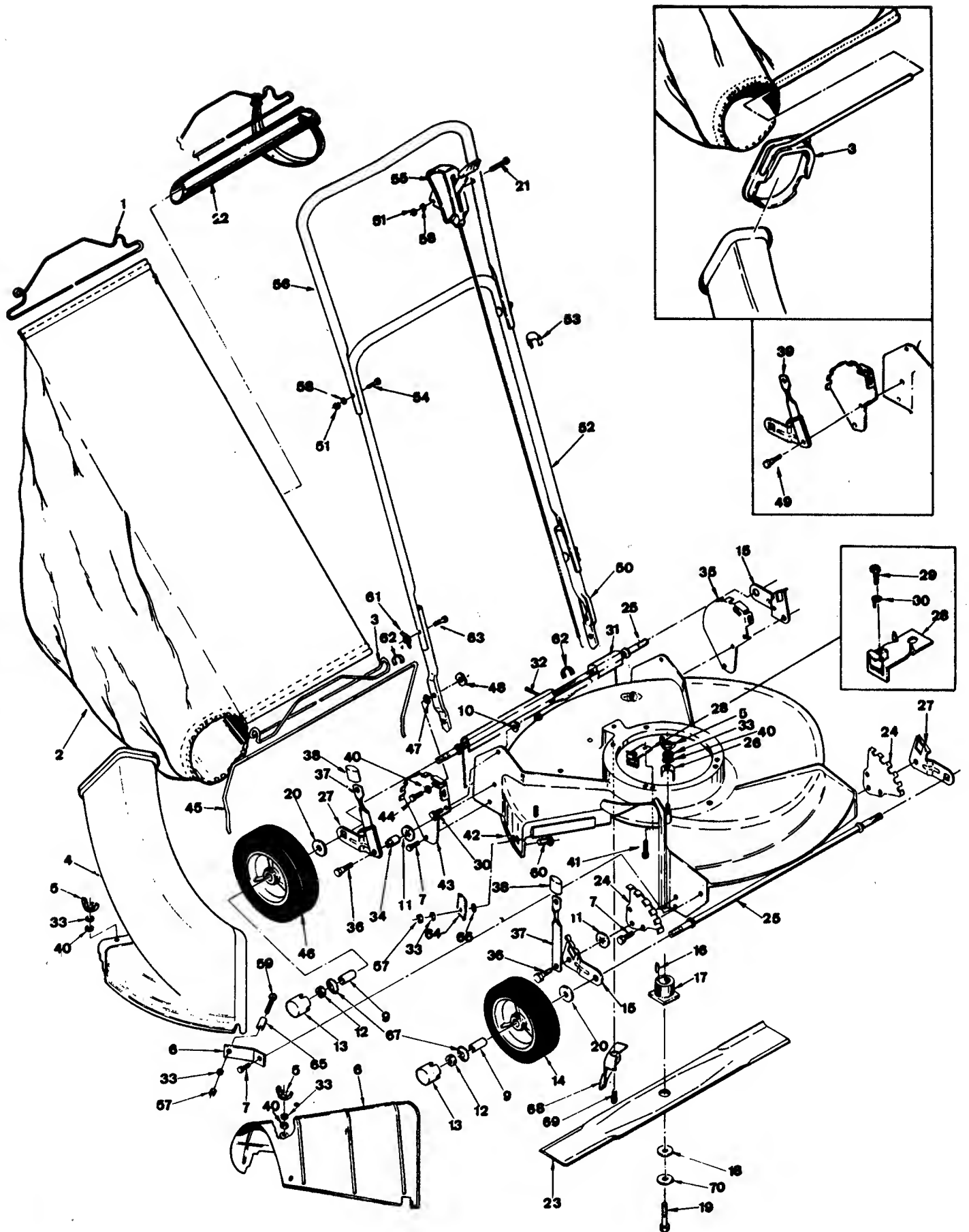
PARTS LIST

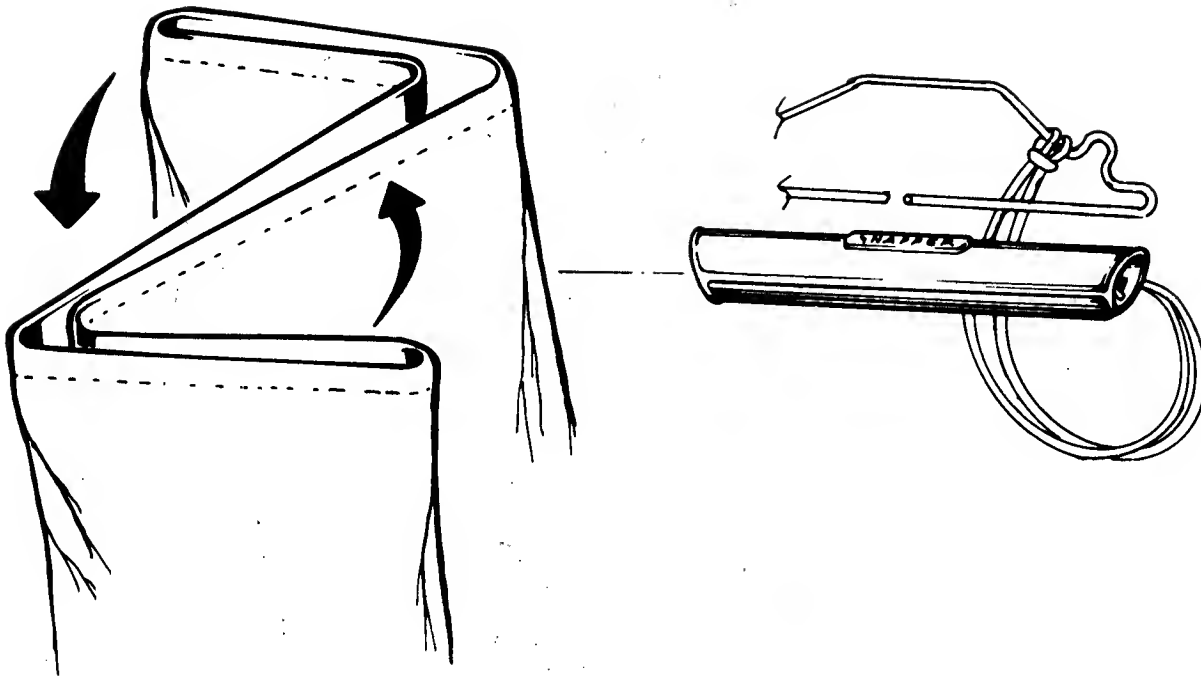
MODELS SV182 - V182 - V182S - SV212 - V212 - V212S - V2124

| Item | Port No. | Description | Qty. | Item | Port No. | Description | Qty. |
|------|----------|-------------------------------------|------|---|---|---------------------------------|------|
| 1. | 3-1128 | Rear Wire | 1 | 42. | 5-9521 | Deck Assembly, V182 | 1 |
| 2. | 1-2320 | Gross Bog | 1 | 42. | 5-0809 | Deck Assembly, V212 | 1 |
| 3. | 3-1127 | Front Wire, V182 | 1 | 43. | 3-7275 | Rear Bracket, R.H. | 1 |
| 3. | 4-7724 | Bog Connector, V212 | 1 | 44. | 9-0227 | 5/16-24 x 5/8 Hex Hd. Cop Screw | 4 |
| 4. | 1-9805 | Bog Adapter, V212 | 1 | 45. | 1-8074 | Roll Bar, V182 | 1 |
| 4. | 1-9806 | Bog Adapter, V182 | 1 | 46. | 1-8189 | 7" Wheel, Rear, V182 | 2 |
| 5. | 9-0375 | 5/16-18 Wing Nut | 2 | 46. | 1-8190 | 8" Wheel, Rear, V212 | 2 |
| 6. | 3-1915 | Side Bracket | 1 | 47. | 9-0189 | Int.-Ext. Tooth Lock Washer | 2 |
| 7. | 9-0361 | 5/16-18 x 5/8 SEMS | 5 | 48. | 1-0974 | 5/16-24 Weld Nut | 2 |
| 8. | 4-0443 | Side Chute Structure, V212 | 1 | 49. | 9-0484 | 5/16-18 x 1-1/2 HSWT, V182 | 2 |
| 8. | 4-0444 | Side Chute Structure, V182 | 1 | 50. | 3-7333 | Lower Handle Stationary, V212 | 2 |
| 9. | 1-2309 | Axle Bushing | 4 | 50. | 3-7332 | Lower Handle Stationary, V182 | 2 |
| 10. | 9-0388 | 5/16-18 Dot "T" Nut | 2 | 51. | 9-0095 | 1/4-28 Hex Nut | 3 |
| 11. | 1-1791 | Bolt Retainer | 4 | 52. | 3-7331 | Lower Handle Pivoting | 1 |
| 12. | 9-0394 | 7/16 F. Hex Lock Nut | 4 | 53. | 1-0098 | Clip, Throttle Control | 1 |
| 13. | 1-2323 | Hub Cap | 4 | 54. | 9-0529 | 1/4-28 x 1-1/4 H.H.C.S., Gr. 5 | 2 |
| 14. | 1-8189 | Wheel, 7" — Front, V182 - V212 | 2 | 55. | 1-8186 | Throttle Control, B. & S. | 1 |
| 15. | 3-1017 | Wheel Arm, Front R.H., Rear L.H. | 2 | 55. | 1-8187 | Throttle Control, Tecumseh | 1 |
| 16. | 1-0008 | Key | 1 | 56. | 3-9601 | Upper Handle | 1 |
| 17. | 1-2180 | Hub | 1 | 57. | 9-0196 | 5/16 Hex Nut | 2 |
| 18. | 1-2063 | Cone Washer | 1 | 58. | 9-0053 | 1/4 Internal Tooth Lock Washer | 3 |
| 19. | 9-0523 | 3/8-24 x 1-5/8" H.H.C.S., Gr. 5 | 1 | 59. | 9-0549 | 5/16-18 x 1-1/4 F.H.S. | 1 |
| 20. | 3-1961 | Steel Washer | 4 | 60. | 9-0383 | 5/16-18 x 1 Corriage Bolt | 1 |
| 21. | 9-0111 | 1/4-28 x 1-3/4 H. Hd. Cop Screw | 1 | 61. | 5-0615 | Wing Nut | 2 |
| 22. | 5-0711 | Slider Assembly | 1 | 62. | 1-1780 | Nylon Ring | 4 |
| 23. | 1-8193 | Blade, V212 | 1 | 63. | 9-0015 | 1/4-20 x 1-3/4 Corriage Bolt | 2 |
| 23. | 1-8167 | Blade, V182 | 1 | 64. | 3-1917 | Bracket Guide | 1 |
| 24. | 3-7300 | Front Bracket | 2 | 65. | 1-2310 | Spacer | 1 |
| 25. | 1-1749 | Front and Rear Axle, V-182 | 2 | 66. | 9-0391 | 5/16 ITLW | 1 |
| 25. | 2-1119 | Front and Rear Axle, V212 | 2 | 67. | 1-1079 | Spring Washer | 4 |
| 26. | 3-1123 | Clamp | 1 | 68. | 3-1807 | Belt Hole Cover | 1 |
| 27. | 3-1016 | Wheel Arm, Front L.H.; Rear R.H. | 2 | 69. | 9-0324 | 3/8-16 x 1" S.T. Screw | 3 |
| 28. | 5-0678 | Interlock Assembly | 1 | 70. | 3-0008 | Washer | 1 |
| 29. | 9-0525 | 8-C x 3/4 SEMS | 1 | ITEMS NOT SHOWN ON V182 — V212 | | | |
| 30. | 9-0385 | Tob Washer | 1 | 3-7351 | Heat Shield, Briggs Engine | 1 | |
| 31. | 3-1762 | Foot Guard, V182 | 1 | 9-0457 | Internal Tooth Lock Washer, Briggs Engine | 1 | |
| 31. | 3-1763 | Foot Guard, V212 | 1 | (3-4114) | *Gas Tank, (Tecumseh Engine)* | 1 | |
| 32. | 9-0041 | 1/8 x 1 Cotter Pin | 1 | * PURCHASE FROM TECUMSEH — NOT AVAILABLE FROM SNAPPER — TECUMSEH PART NUMBER LISTED | | | |
| 33. | 9-0187 | 5/16 Lock Washer | 6 | ITEMS NOT SHOWN ON V ELECTRIC START | | | |
| 34. | 2-1737 | Wheel Arm Spacer, V182 | 2 | 1-1789 | Battery Charger | 1 | |
| 35. | 3-7277 | Rear Bracket, L.H. | 1 | 1-8215 | Battery | 1 | |
| 36. | 1-1078 | Shoulder Screw | 4 | 1-1139 | Switch W/Keys | 1 | |
| 37. | 1-2325 | Height Latch, V212 (front and rear) | 4 | 1-8095 | Wiring Harness | 1 | |
| 37. | 1-2325 | Height Latch, V212 | 4 | 3-7749 | Battery Bracket | 1 | |
| 38. | 1-1093 | Grip | 4 | 1-1167 | Key | 1 | |
| 39. | 1-2359 | Height Latch, Rear, V182 | 2 | | | | |
| 40. | 9-0188 | 5/16 SAE Washer | 4 | | | | |
| 41. | 9-0324 | 3/8-16 x 1 S. T. Screw | 3 | | | | |

ENGINE MODELS USED:

BRIGGS & STRATTON MODEL 92908, TYPE 1454-01
TECUMSEH MODEL LAV35, TYPE 40933L
HONDA MODEL GV35N





BAG CLOSING INSTRUCTIONS

- 1. Fold into Z shape as shown, keeping edges aligned.**
- 2. Hold edges together while pushing on slider. Be sure all edges are inside of slider.**

THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

LIMITED WARRANTY

For Ninety (90) days from purchase date for a non-commercial user, or for Thirty (30) days from purchase date for a commercial user, McDONOUGH POWER EQUIPMENT, INC., through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to ninety (90) days from purchase for non-commercial users, and for thirty (30) days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: Use of replacement parts other than genuine SNAPPER parts may impair the safety of your mower and will void our warranty.

IMPORTANT: THIS WARRANTY IS VOID UNLESS THE WARRANTY CARD ATTACHED IS FILLED OUT COMPLETELY AND MAILED TO McDONOUGH POWER EQUIPMENT, INC., McDONOUGH, GEORGIA 30253, WITHIN TEN (10) DAYS OF PURCHASE DATE.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

OPERATOR'S MANUAL

SNAPPER MOWER

MODELS SV212P – V212PH
V212P – V212PS – V212P4

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

TRAINING

1. Read this Manual carefully and question your dealer if something is not clear. Should the dealer be unavailable or unable to answer to your satisfaction, write or call our Customer Service Department at the factory. Be thoroughly familiar with the controls and proper use of the equipment.
2. Never allow children to operate a power mower.
3. Keep the area of operation clear of all persons, particularly small children, and pets.

PREPARATION

1. Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
3. Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
5. Make sure that the traction drive deadman control is disengaged before starting engine.
6. Never attempt to make a wheel height adjustment while the engine is running.
7. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
8. Mow only in daylight or in good artificial light.
9. Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

OPERATION

1. Do not change engine governor settings or overspeed engine.
2. Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
3. Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
4. After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
5. Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
6. Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
7. Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging adapter.
8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

MAINTENANCE AND STORAGE

1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
2. Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
4. Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag adapter if broken or cracked.
5. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
6. Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

ASSEMBLY

HANDLES

1. Place lower handle, Item No. 21, Page 5, in groove of lower handle stationary, Item No. 27. Secure with two 1/4"-28 x 1-1/2" hex head cap screws, Item No. 17, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.
2. Fasten upper handle, Item No. 10, Page 5, to lower handle, Item No. 21, using two 1/4"-28 x 1-1/4" hex head cap screws, Item No. 19, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.

SPEED SECTOR

1. Fasten speed sector, Item No. 52, Page 5, to inside of upper handle using two 1/4"-28 x 1-1/2" hex head cap screws, two 1/4" internal tooth lock washers, and two 1/4"-28 hex nuts. These fasteners must be tightened securely.

THROTTLE CONTROL

1. Install end of throttle control, Item No. 15, Page 5, through hole in speed sector. Push throttle control to stop position. Install inner wire of throttle control into control arm of engine. Push control arm to stop position and clamp control housing to the engine using clip on engine. Attach the head to the inside of upper handle using one 1/4"-28 x 1-1/4" hex head cap screw, Item No. 14, one 1/4" internal tooth lock washer, Item No. 18, and one 1/4"-28 hex nut, Item No. 16.

CLUTCH PULL ROD

1. Install clutch pull rod, Item No. 6, Page 5, into the clutch lever, Item No. 4, as shown in Illustration A. Secure with push nut, Item No. 2.
2. Hook eye of pull rod into clutch spring, Item 18, Page 7.
3. Slide vinyl cover, Item No. 26, Page 5, over spring and eye of clutch rod.
4. Fasten clutch rod to the outside of the handles using clip, Item No. 20, Page 5.

SPEED CONTROL LEVER

1. Place lower portion of speed control lever, Item No. 43, Page 5, into slots of speed control anchor, Item No. 32.
2. Slide spring, Item No. 13, Page 5, washer, Item No. 12, Page 5, and vinyl cover, Item No. 11, Page 5, over upper section of speed control lever.
3. Compress spring and washer so that washer is captured under the speed selector when the speed control lever is placed into the slot. Note: Spring and washer must go past 90 degree bend on upper end of speed control lever.

TRANSFER ROD

1. Install flat end of transfer rod, Item No. 52, Page 7, into slot of transfer rod connector, Item No. 50. Slide 1/4" rod clip, Item No. 53, Page 7, onto speed control lever. Place round end of transfer rod through speed control lever and fasten rod clip to transfer rod.

GRASS BAG

1. Disconnect and secure spark plug wire.

2. Place bag adapter, Item No. 1, Page 7, onto deck with stud nearest to "caution" passing through hole in bag adapter. Make sure that slot in bag adapter drops over spacer, Item No. 12, and rear of bag adapter slides inside of guide plate, Item No. 2. Also make sure that bag adapter is pushed straight downward so that the ground contact of interlock switch deflects and permits engine to be started. Place clamp, Item No. 4, with short leg to rear over front stud. Secure bag adapter at front and rear stud with 5/16 flat washer, 5/16 lock washer, and 5/16-18 wing nut.
3. Slip ends of rear wire, Item No. 1, Page 5, into the rear flap of grass bag. Hold the bag connector in hand, push flange section through inlet of bag, such that only the straight rod is outside. Slide rod through front loop of bag. Stretch inlet of bag completely around flange of bag connector. Hook rear wire over the top section of middle handle. Start bottom lip of bag connector into top of bag adapter opening. Tilt bag connector towards front of mower and push downward so that flanges of bag connector will be behind flanges of bag adapter.
4. Top of bag should be slack for best performance. Tension along the top of bag may be relieved by placing rear wire into the other flap at rear of grass bag.
5. Tie slider cord to rear bag wire and install slider by instructions on bag.

SIDE CHUTE - SV SERIES

1. Disconnect and secure spark plug wire.
2. Grip side chute structure, Item No. 5, with both hands. Slightly squeezing together place tab over stud at rear of discharge area and slip large slot over mounting key in deck. Slot in front of side chute structure must go down over spacer, Item No. 12. Also be sure that the side chute is pushed straight downward so that ground contact of the interlock switch deflects and permits engine to be started.
3. Secure tab at rear stud with one 5/16" lock washer, one 5/16" flat washer and one 5/16"-18 wing nut. Place clamp, Item 4, with short leg to the rear over front stud. Secure with 5/16" flat washer, 5/16" lock washer, and 5/16"-18 wing nut.

ADJUSTMENT

SPEED LEVER

1. When speed lever, Item No. 43, Page 5, is in the highest position, the centerline of the rubber drive tire, Item No. 46, Page 7, Illustration F should be 1/8" to 1/4" in from the outside edge of the flat driven disc, Item No. 55, Page 7, Illustration F. To adjust, loosen the 5/16" nut at the transfer rod connector, Item No. 50, Page 7, and slide connector on thrust plate arm. Re-tighten nut and check clearance after running engine.

CLUTCH ROD TENSION

2. To check for proper tension on the clutch rod, Item No. 6, Page 5, slide vinyl cover, Item No. 26, Page 5, up on clutch rod. There should be 1/16" to 1/8" clearance between the top hook of the wheel drive spring, Item No. 61, Page 7, and the bottom of the

eye of the clutch rod, when clutch lever is disengaged. To adjust, unhook spring from clutch rod and rotate outer spring over inner spring clockwise to reduce clearance and counter-clockwise to increase clearance. Re-install spring and vinyl cover.

CUTTING HEIGHT

3. This mower has through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. **NEVER UNLATCH BOTH SIDES AT THE SAME TIME.** Setting the rear height latches one notch lower than the front will improve performance in heavy grass by raising the rear of the deck.

NOMINAL HEIGHT OF CUT — INCHES NOTCHES FROM THE TOP

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|--------|--------|--------|--------|--------|
| 7/8" | 1 1/4" | 1 3/4" | 2 1/4" | 2 3/4" | 3 1/8" |

OPERATION

STARTING ENGINE

1. Fill engine with SAE detergent 30 Wt. engine oil.
2. Fill gas tank with leaded or unleaded regular gas.
3. Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope rapidly.
4. On electric start models, move throttle to start, turn key to start, release when engine starts.
5. **IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.**

DRIVE SYSTEM

1. To engage drive system, grip clutch handle, Item No. 4, Page 5, against upper handle, Item No. 10. When handle is released, drive automatically disengages and mower goes into free wheeling for easy maneuvering.
2. To select ground speed, shift speed control lever, Item No. 43, Page 5, down for slow and up for fast. Shifting effort is minimum with engine running.

GRASS BAG

1. Grass bag should be emptied before bag adapter is allowed to clog. When the bag adapter begins to clog, air pressure ceases to push the top of the bag upward and the sound of the engine changes.
2. The first and most important step in emptying the grass bag is to **STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.**
3. Stop engine, grasp the bag connector and lift off of the bag adapter. The initial lifting motion must be in line with the flange on the bag adapter to prevent binding. Unhook rear wire and lift bag from between handles. When bag is heavily loaded, it may be easier to unhook rear wire first and then lift off bag connector. Mower may be pushed forward for access to bag.
4. To empty the grass bag, grasp the bag with one

hand and pull off the slider, Item No. 39, with the other hand.

5. Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine.

MAINTENANCE

ENGINE

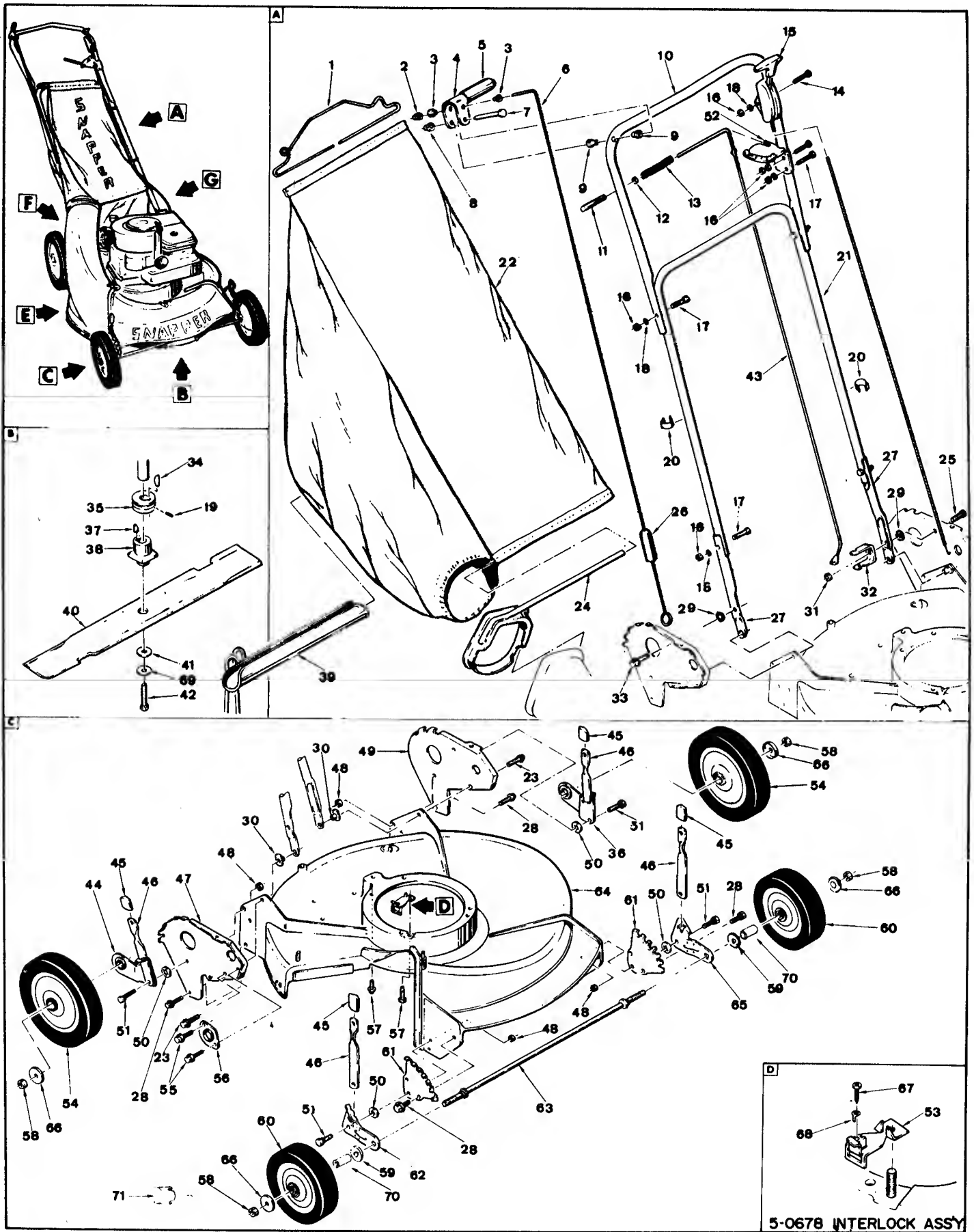
1. Refer to engine manual furnished with this packet of instructions to oil, fuel, and maintain the engine properly.
2. Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
3. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
4. Factory specified Snapper replacement parts must be used to assure maximum protection against injury.
5. **OCCASIONALLY CHECK FOR WEAR ON THE RUBBER DRIVEN RING. WHEN RUBBER IS WORN WITHIN 1/16" OF METAL, DRIVEN RING SHOULD BE REPLACED TO PREVENT DAMAGE TO DRIVE DISC ASSEMBLY.**
6. To prolong the life and usefulness of your mower, it is a good practice to wash out oil of the grass that may be sticking to the underside of the deck.

LUBRICATION

1. Change oil as specified in engine manual.
2. Occasionally put a few drops of oil on all moveable parts.
3. The ball bearing wheels have been factory greased and should not be greased unless removed.
4. Transmission assembly is pre-lubricated with four ounces of SNAPPER "00" GREASE, Part No. 1-1050. To check grease, remove plug, Item No. 75, Page 7. If no grease is visible on input gear assembly, Item No. 80, add grease to transmission and replace plug. The grease should be checked every 20 hours of operation.

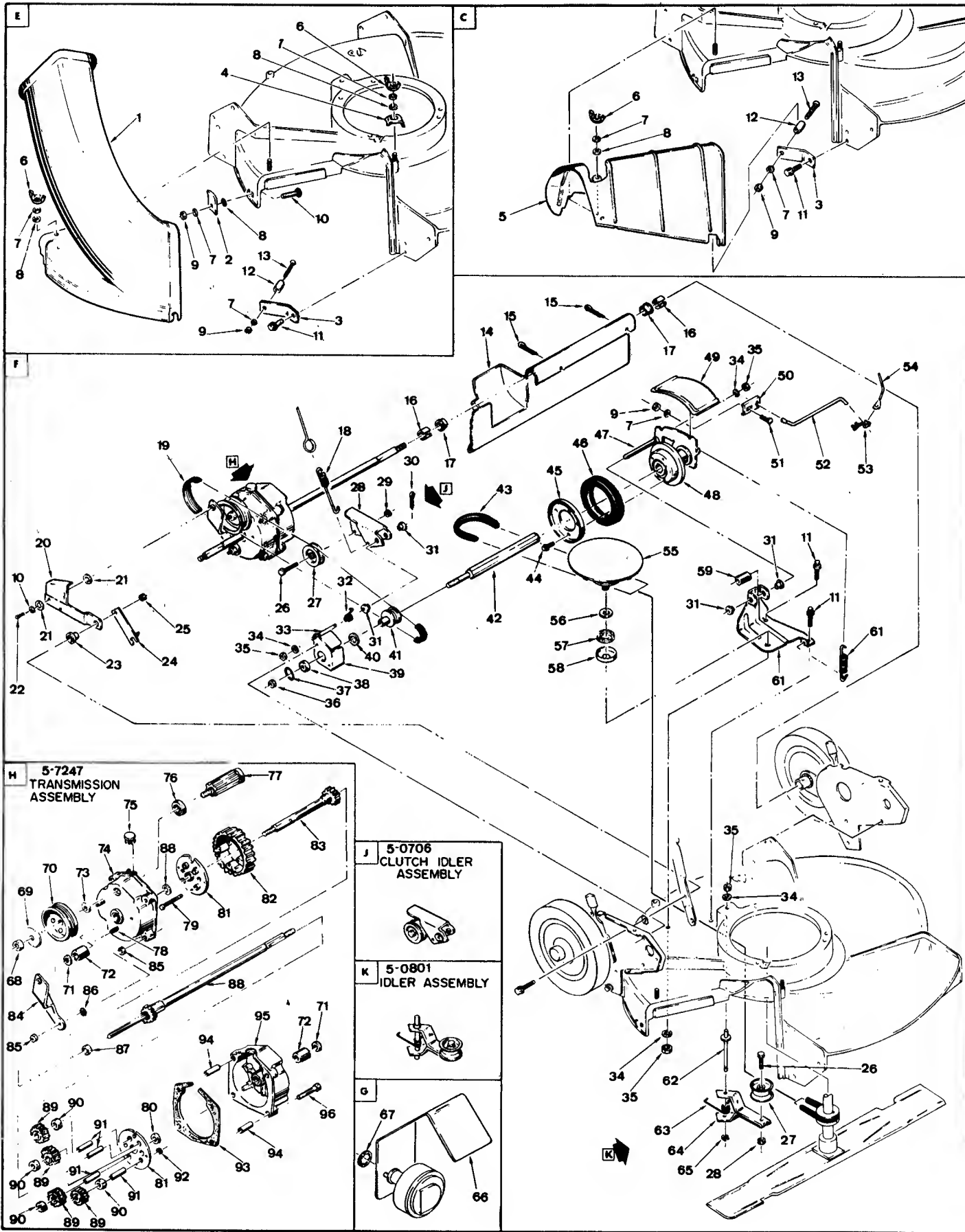
PARTS LIST

| Item | Part No. | Description | Qty. | Item | Part No. | Description | Qty. |
|------|----------|----------------------------------|------|---|-------------------|--------------------------------|------|
| 1. | 3-1128 | Rear Wire | 1 | 53. | 5-0678 | Interlock Assembly | 1 |
| 2. | 1-2134 | Push Nut | 1 | 54. | 1-2496 | Rear Wheel, 9 x 1.75 | 2 |
| 3. | 1-2135 | Bushing | 2 | 55. | 9-0302 | 1/4-20 x 3/8 H.W.S.T. | 2 |
| 4. | 3-1881 | Clutch Handle | 1 | 56. | 3-1809 | Holder Half | 1 |
| 5. | 1-1982 | Grip | 1 | 57. | 9-0324 | 3/8-18 x 1 HWS ST. Engine Bolt | 3 |
| 6. | 1-2120 | Clutch Pull Rod | 1 | 58. | 9-0394 | 7/16-20 Lock Nut | 4 |
| 7. | 1-1886 | Pin | 1 | 59. | 3-1961 | Steel Washer | 2 |
| 8. | 9-0489 | Push Nut | 1 | 60. | 1-8189 | Front Wheel, 7 x 1.50 | 2 |
| 9. | 1-2070 | Bushing | 2 | 61. | 3-7300 | Front Bracket | 2 |
| 10. | 3-9600 | Upper Handle | 1 | 62. | 3-1017 | Wheel Arm, Front, R.H. | 1 |
| 11. | 1-1879 | Grip | 1 | 63. | 2-1119 | Front Axle | 1 |
| 12. | 9-0188 | 5/16 Washer | 1 | 64. | 2-9805 | Deck | 1 |
| 13. | 1-2093 | Spring | 1 | 65. | 3-1016 | Wheel Arm, Front, L.H. | 1 |
| 14. | 9-0529 | 1/4-28 x 1-3/4 H. Hd. Cap Screw | 3 | 66. | 1-1079 | Spring Washer | 4 |
| 15. | 1-8186 | Throttle Control, B. & S. | 1 | 67. | 9-0379 | 8-C x 3/4 SEMS | 1 |
| 15. | 1-8187 | Throttle Control, Tecumseh | 1 | 68. | 9-0385 | Na. 8 Tab Washer | 1 |
| 15. | 1-8201 | Throttle Control, Honda | 1 | 69. | 2-0984 | Washer | 1 |
| 16. | 9-0095 | 1/4-28 Hex Nut | 7 | 70. | 1-2309 | Axle Bushing | 2 |
| 17. | 9-0528 | 1/4-28 x 1-1/2 H.H.C.S, Gr. 5 | 4 | 71. | 1-2323 | Hub Cap | 4 |
| 18. | 9-0053 | 1/4 Internal Tooth Lock Washer | 7 | ITEMS NOT SHOWN — BRIGGS AND TECUMSEH | | | |
| 19. | 9-0471 | 1/4 x C x 5/16 KSS | 1 | ELECTRIC | | | |
| 20. | 1-0098 | Clip | 3 | 1-1762 | Cover, Spark Plug | 1 | |
| 21. | 3-7331 | Lower Handle Pivoting | 1 | 1-1789 | Battery Charger | 1 | |
| 22. | 1-2320 | Grass Bag | 1 | 1-8215 | Battery | 1 | |
| 23. | 9-0368 | 5/16-18 x 3/4 HWS ST. | 2 | 1-1139 | Switch W/Keys | 1 | |
| 24. | 4-7724 | Adapter Structure | 1 | 1-8095 | Wiring Harness | 1 | |
| 25. | 9-0238 | 5/16-24 x 1 Hex Hd. Cap Screw | 1 | 3-7749 | Battery Bracket | 1 | |
| 26. | 1-2121 | Vinyl Cover | 1 | 1-1167 | Key | 1 | |
| 27. | 3-7333 | Lower Handle | 2 | OPTIONAL ACCESSORIES | | | |
| 28. | 9-0361 | 5/16-18 x 5/8 HWS ST. | 4 | The optional accessories listed below are available from your Snapper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard household tools. | | | |
| 29. | 9-0189 | 5/16 Int.-Ext. Tooth Lock Washer | 2 | 1. SIDE CHUTE KIT 6-0287 (for V212 Series). This kit consists of a metal chute and fasteners to permit conversion of the mower to side discharge operation. | | | |
| 30. | 9-0388 | T-Nut | 2 | 2. ZIP KIT 6-0254 . This kit consists of a plastic coated metal haap which may be installed on the rear end of the grass bag. Its purpose is to permit fast transfer of the clippings directly into a standard disposable trash bag. | | | |
| 31. | 9-0222 | 5/16-24 Hex Lock Nut | 1 | 3. SNAPPERIZER KIT 6-0295 (for V212). This kit consists of an expanded metal shredder plate, a bat-tam plate, and attaching hardware. Its purpose is to convert the mower into an outdoor vacuum and leaf shredder for use with the bag or side chute. | | | |
| 32. | 3-1755 | Speed Control Anchor | 1 | 4. GRASS BAG KIT 6-0285 (for SV212 Series). This kit consists of a bag adapter and component parts to permit conversion of the mower to grass bagging operation. | | | |
| 33. | 9-0240 | 5/16-24 x 1-1/4 H.H.C.S. | 1 | | | | |
| 34. | 1-0783 | Hi-Pro Key | 1 | | | | |
| 35. | 2-1707 | Engine Pulley | 1 | | | | |
| 36. | 5-0786 | Rear Wheel Arm Assembly, L.H. | 1 | | | | |
| 37. | 1-0008 | Key | 1 | | | | |
| 38. | 1-2180 | Blade Drive Hub | 1 | | | | |
| 39. | 5-0711 | Slider Assembly | 1 | | | | |
| 40. | 1-8193 | Blade | 1 | | | | |
| 41. | 1-2063 | Cone Washer | 1 | | | | |
| 42. | 9-0523 | 3/8-24 x 1-5/8 Cap Screw, Gr. 5 | 1 | | | | |
| 43. | 1-2110 | Speed Control Lever | 1 | | | | |
| 44. | 5-0787 | Rear Wheel Arm Assembly, R.H. | 1 | | | | |
| 45. | 1-1093 | Grip | 4 | | | | |
| 46. | 1-2325 | Height Latch | 4 | | | | |
| 47. | 3-7308 | Rear Bracket, R.H. | 1 | | | | |
| 48. | 9-0197 | 5/16-18 Jam Nut | 4 | | | | |
| 49. | 3-7309 | Rear Bracket, L.H. | 1 | | | | |
| 50. | 1-1791 | Bolt Retainer | 4 | | | | |
| 51. | 1-1078 | 5/16-18 Shoulder Screw | 4 | | | | |
| 52. | 3-7727 | Speed Sector | 1 | | | | |



PARTS LIST

| Item | Part No. | Description | Qty. | Item | Part No. | Description | Qty. |
|------|----------|---|------|------|----------|--|------|
| 1. | 1-9805 | Adapter, Bag | 1 | 60. | 3-1919 | Bracket, Deck | 1 |
| 2. | 3-1917 | Guide Plate | 1 | 61. | 1-2123 | Spring, Wheel Drive | 1 |
| 3. | 3-1915 | Bracket, Side | 1 | 62. | 1-2318 | Stud, Idler | 1 |
| 4. | 3-1123 | Clomp | 1 | 63. | 1-2218 | Spring, Idler | 1 |
| 5. | 4-0443 | Side Chute Structure | 1 | 64. | 3-1936 | Bracket, Idler | 1 |
| 6. | 9-0375 | Nut, Wing | 3 | 65. | 1-2313 | Ring, Retaining | 1 |
| 7. | 9-0187 | Washer, Lack 5/16 | 5 | 66. | 3-7351 | Shield, Heat — B & S Engine Only | 1 |
| 8. | 9-0188 | Washer, Flat 5/16 | 3 | 67. | 9-0457 | Washer, Internal Taath Lack | 1 |
| 9. | 9-0196 | Nut, Hex 5/16-18 | 3 | 68. | 1-2101 | Nut, Hex Lack 5/16-24 | 1 |
| 10. | 9-0383 | Bolt, Carriage 5/16-18 x 1 | 1 | 69. | 1-1132 | Washer, Spring | 1 |
| 11. | 9-0361 | Screw, SEMS Self Tapping 5/16-18 x 5/8 | 3 | 70. | 1-2109 | Pulley, Paly V-Belt | 1 |
| 12. | 1-2310 | Spacer | 1 | 71. | 1-2314 | Seal (Included in Housing Assemblies) | 2 |
| 13. | 9-0549 | Screw, F.H. Machine 5/16-18 x 1-1/4 | 1 | 72. | 1-2507 | Bearing, Tapered O. D. (Included in Hausing Assemblies) | 2 |
| 14. | 3-9576 | Guard, Rear | 1 | 73. | 1-1724 | Washer, Spring | 1 |
| 15. | 9-0297 | Cotter Pin, 1/8 x 1-1 2 | 2 | 74. | 5-7246 | Inbaard Hausing Assembly (In- cludes ane each af items 71, 72, 76, and two item 78 | 1 |
| 16. | 1-0996 | Spacer, Axle | 2 | | | | |
| 17. | 1-0694 | Bushing, Nylan | 2 | 75. | 1-1133 | Plug | 1 |
| 18. | 1-2122 | Spring, Clutch | 1 | 76. | 1-1767 | Bearing, Ball (Included in Housing Assembly, Item 74) | 1 |
| 19. | 1-2354 | Belt, Poly V | 1 | 77. | 5-0767 | Input Gear Assembly (Includes Ball Bearing) | 1 |
| 20. | 3-1880 | Link, Differential | 1 | 78. | 1-2499 | Screw, Rib Neck 1/4-1 | 2 |
| 21. | 1-1079 | Washer, Spring | 1 | 79. | 9-0557 | Copscrow, Hex Head 10-32 x 1-1/2 | 4 |
| 22. | 9-0534 | Capscrew, Hex Head 5/16-18 x 3/8 | 1 | 80. | 3-1965 | Wosher, Thrust | 2 |
| 23. | 1-2114 | Bushing, Differential Link | 1 | 81. | 3-1970 | Plate | 2 |
| 24. | 3-1882 | Guide, Lower Belt | 1 | 82. | 1-2495 | Gear, 46 T Differential | 1 |
| 25. | 9-0222 | Nut, Hex Lock 5/16-24 | 1 | 83. | 5-0830 | Short Axle Assembly | 1 |
| 26. | 9-0552 | Copscrow, Hex Head 1/4-28 x 1-3/8 | 2 | 84. | 4-0447 | Bracket, Differential | 1 |
| 27. | 1-2124 | Pulley, Idler | 2 | 85. | 9-0303 | Nut, Hex Lack 1/4-28 | 6 |
| 28. | 3-1877 | Arm, Clutch Idler | 1 | 86. | 9-0574 | Washer, Internal External Taath Lack 1 4 | 2 |
| 29. | 9-0303 | Nut, Hex Lock 1/4-28 | 7 | 87. | 1-2543 | Spacer | 1 |
| 30. | 9-0037 | Catter Pin 3/32 x 3/4 | 1 | 88. | 5-0831 | Long Axle Assembly | 1 |
| 31. | 1-2306 | Bushing, Flonge | 4 | 89. | 2-1115 | Gear, 12 Taath | 4 |
| 32. | 1-2126 | Spring, Idler Torsian | 1 | 90. | 1-2500 | Spacer | 4 |
| 33. | 1-2111 | Stud, Idler | 1 | 91. | 1-1110 | Shaft, Pinian | 4 |
| 34. | 9-0390 | Washer, Internal Tooth Lock | 4 | 92. | 9-0376 | Nut, Hex Lack 10-32 | 4 |
| 35. | 9-0155 | Nut, Hex 3/8-24 | 4 | 93. | 1-1774 | Gasket | 1 |
| 36. | 9-0289 | Nut, Lack 3/8-24 | 1 | 94. | 1-2512 | Rall Pin 3 8-7/16 | 2 |
| 37. | 1-1025 | O-Ring | 1 | 95. | 5-7245 | Outbaard Housing Assembly (In- cludes ane each af items 71 & 72) | 1 |
| 38. | 1-2304 | Bearing | 1 | 96. | 9-0552 | Capscrew, Hex Head 1 4-28 x 1-3 8 | 4 |
| 39. | 3-1873 | Holder Half | 1 | * | 3-1879 | Cap, Optional Steel Drive Disc far Item 55 | 1 |
| 40. | 3-1916 | Washer | 1 | | | | |
| 41. | 1-2140 | Pulley, Paly V-Belt | 1 | | | | |
| 42. | 2-1745 | Hex Shaft | 1 | | | | |
| 43. | 1-1887 | Belt, Engine | 1 | | | | |
| 44. | 9-0307 | Screw, SEMS 10-24 x 1 2 | 5 | | | | |
| 45. | 3-1013 | Plate, Driven Ring | 1 | | | | |
| 46. | 1-0927 | Ring, Driven | 1 | | | | |
| 47. | 1-2125 | Guide, Thrust Plate | 1 | | | | |
| 48. | 5-7096 | Driven Disc — Assembly | 1 | | | | |
| 49. | 1-2118 | Caver, Driven Disc | 1 | | | | |
| 50. | 3-1874 | Connectar, Transfer Rad | 1 | | | | |
| 51. | 9-0316 | Bolt, Carriage 5/16-18 x 3 4 | 1 | | | | |
| 52. | 1-2255 | Rod, Tranfer | 1 | | | | |
| 53. | 1-0937 | Clip, Right Arc Rod 1 4" | 1 | | | | |
| 54. | 1-2110 | Lever, Speed Control | 1 | | | | |
| 55.* | 5-0702 | Drive Disc — Assembly | 1 | | | | |
| 56. | 9-0122 | Washer, SAE 3/8 | 1 | | | | |
| 57. | 1-1032 | Seal | 1 | | | | |
| 58. | 3-1132 | Shield, Bearing | 1 | | | | |
| 59. | 2-1758 | Spacer, Brocket | 1 | | | | |



THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

MANUFACTURER'S 90 DAY LIMITED WARRANTY

For Ninety (90) days from purchase date for a non-commercial user, or for Thirty (30) days from purchase date for a commercial user, McDONOUGH POWER EQUIPMENT, through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to ninety (90) days from purchase for non-commercial users, and for thirty (30) days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: Use of replacement parts other than genuine SNAPPER parts may impair the safety of your mower.

IMPORTANT: Please fill out the attached Snapper Guarantee Card and mail to:

McDONOUGH POWER EQUIPMENT, McDONOUGH, GEORGIA 30253

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT



McDONOUGH, GA., U. S. A., 30253